





**ARBORETUM ET FRUTICETUM
BRITANNICUM.**

VOL. VII.

THIRD VOLUME OF PLATES.

LONDON :
Printed by A. SPOTTISWOODE,
New-Street-Square.

ARBORETUM ET FRUTICETUM

BRITANNICUM;

OR,

THE TREES AND SHRUBS OF BRITAIN,

Native and Foreign, Hardy and Half-Hardy,

PICTORIALLY AND BOTANICALLY DELINEATED,
AND SCIENTIFICALLY AND POPULARLY DESCRIBED;

WITH

THEIR PROPAGATION, CULTURE, MANAGEMENT,

AND USES IN THE ARTS, IN USEFUL AND ORNAMENTAL PLANTATIONS, AND IN

LANDSCAPE-GARDENING;

PRECEDED BY A HISTORICAL AND GEOGRAPHICAL OUTLINE
OF THE TREES AND SHRUBS OF TEMPERATE CLIMATES
THROUGHOUT THE WORLD.

BY J. C. LOUDON, F.L. & H.S. &c.

AUTHOR OF THE ENCYCLOPÆDIAS OF GARDENING AND OF AGRICULTURE.

IN EIGHT VOLUMES:

FOUR OF LETTERPRESS, ILLUSTRATED BY ABOVE 2500 ENGRAVINGS;
AND FOUR OF OCTAVO AND QUARTO PLATES.

VOL. VII.

THE PLATES FROM BIGNONIACEÆ TO CORYLACEÆ.

SECOND EDITION.

LONDON:

HENRY G. BOHN, YORK STREET, COVENT GARDEN.

1854.



CONTENTS.

LIST OF THE PORTRAITS OF TREES FORMING VOL. VII.,
SYSTEMATICALLY ARRANGED.

The names, scientific and English, of all the trees included in the plates forming Vols. V, VI, VII, and VIII, will be found systematically arranged in the General Contents in Vol. I., and alphabetically arranged at the end of Vol. VIII.

The number on the left hand merely shows the series; that on the right extremity of the column, in parenthesis, is the number printed on the plate; and the number preceding it refers to that page of the body of the work where the tree is treated of.

BIGNONIACEÆ.

Text in Vol. III.

215. *Catálpa syringæfólia* p. 1261. (169.)
Bayswater. *H. Le Jeune.*

216. *C. s.*, full-grown tree - (170.)
Syon House. *G. R. Lewis.*

LAURA'CEÆ.

217. *Laúrus nóbilis* (the Sweet Bay) - p. 1297. (171.)
Hort. Soc. Gard. *H. Le Jeune.*

218. *L. Sássafras* (the Sassafras Tree) p. 1301. (172a.)
Kensington Nursery. *Miss M. L.*

219. *L. S.*, full-grown tree - (172.)
Syon House. *G. R. Lewis.*

SANTALACEÆ.

220. *Nýssa biflóra* (the Tupelo Tree), full-grown tree p. 1317. (173.)
Thompson's Villa, Richmond. *H. Le Jeune.*

ELEAGNA'CEÆ.

221. *Elaéagnus orientális* (the Oleaster) - p. 1321. (175.)
Hort. Soc. Gard. *H. Le Jeune.*

222. *Hippóphæa Rhamnoides angustifolia* (the Sea Buckthorn) - p. 1325. (174a.)
Messrs. Loddiges. *C. Rauch.*

URTICA'CEÆ.

223. *Morus nígra* (the common Mulberry) p. 1343. (182.)
Messrs. Loddiges. *H. Le Jeune.*

224. *M. n.*, full-grown tree - (182a.)
Battersea. *H. W. Jukes.*

225. *M. álba* - p. 1348. (181.)
Hort. Soc. Gard. *H. Le Jeune.*

226. *M. a.*, full-grown tree, Ito (181a.)
Syon House. *H. Le Jeune.*

227. *M. rúbra* (syn. *peunsylvánica*) p. 1359. (183.)
Hort. Soc. Gard. *Miss M. L.*

228. *Broussonètia papyrifera* (the Paper Mulberry) - p. 1361. (180.)
Kew Botanic Gardens. *H. L. Jeune.*

229. *Ficus Cárica* (the common Fig) p. 1365. (178.)
Mile End Nursery. *H. W. Jukes.*

- ULMA'CEÆ.* (ELMS.)
230. *Ulmus campéstris* (common Elm) p. 1374. (185.)
Hort. Soc. Gard. *Miss M. L.*

231. *U. c.*, full-grown tree - (184.)
Kensington Gardens. *J. Martin.*

232. *U. e. strícta*, full-grown tree - p. 1375. (184a.)
Muswell Hill. *Miss M. L.*

233. *U. e. viminális* - p. 1376. (185a.)
Hort. Soc. Gard. *H. W. Jukes.*

234. *U. planifòlia* - p. 1377. (191b.)
Hort. Soc. Gard. *H. W. Jukes.*

235. *U. (c.) suberòsa* - p. 1395. (186.)
Hort. Soc. Gard. *H. W. Jukes.*

236. *U. májor* - - p. 1396. (188.)
Hort. Soc. Gard. *H. Le Jeune.*

237. *U. m.*, full-grown tree - (187.)
Studley Park. *H. W. Jukes.*

238. *U. effusa* - p. 1397. (191.)
Hort. Soc. Gard. *H. W. Jukes.*

239. *U. e.*, winter tree - (191a.)
Hort. Soc. Gard. *H. W. Jukes.*

240. *U. mentàná májor*, p. 1398. (188a.)
Hort. Soc. Gard. *H. W. Jukes.*

241. *U. m. péndula* (syn. *rúbra*) - p. 1398. (190.)
Hort. Soc. Gard. *C. Rauch.*

242. *U. m. fastigiata* p. 1399. (187a.)
Hort. Soc. Gard. *H. Le Jeune.*

243. *U. americana* - p. 1406. (189.)
Hort. Soc. Gard. *H. Le Jeune.*
244. *U. a.*, incisa - p. 1406 (189a.)
Hort. Soc. Gard. *H. Le Jeune.*
245. Plánera Richárdi p. 1409 (184a.)
Hort. Soc. Gard. *H. Le Jeune.*
246. *P. R.*, full-grown tree - (184.)
Syon House. *G. R. Lewis.*
247. Célis Tournefórtii p. 1416. (194.)
Hort. Soc. Gard. *Miss M. L.*
248. *C. occidentalis* (the Nettle Tree) p. 1417. (193.)
Hort. Soc. Gard. *Miss M. L.*
249. *C. o.*, full-grown tree - (192a.)
Syon House. *G. R. Lewis.*
- JUGLANDACEAE. (WALNUTS.)**
250. Júglands règia (the Walnut) p. 1423. (196.)
Hort. Soc. Gard. *Miss M. L.*
251. *J. r.*, full-grown tree - (195a.)
Chiswick Villa. *W. A. Nesfield.*
252. *J. r.*, full-grown winter tree (196a.)
Studley Park. *H. W. Jukes.*
253. *J. nigra* (the Black Walnut) p. 1435. (197.)
Hort. Soc. Gard. *C. Rauch.*
254. *J. n.*, full-grown tree, 4to - (197a.)
Syon House. *G. R. Lewis.*
255. *J. cinerea* (the Butter Nut) p. 1439. (198.)
Hort. Soc. Gard. *C. Rauch.*
256. Càrya álba (the Hickory Nut), full-grown tree p. 1446. (200.)
Purser's Cross. *L. Martin.*
257. Pterocàrya caucásica p. 1451 (199.)
Hort. Soc. Gard. *C. Rauch.*
- SALICACEAE. (WILLOWS AND POPLARS.)**
258. Sàlix babylònica (the Weeping Willow) p. 1507. (207.)
Hort. Soc. Gard. *H. W. Jukes.*
259. *S. b.* críspa - p. 1514. (208.)
Hort. Soc. Gard. *H. W. Jukes.*
260. *S. frágilis* - p. 1516. (205.)
Hort. Soc. Gard. *H. Le Jeune.*
261. *S. álba* (the White, or Huntingdon, Willow) p. 1522. (209.)
Hort. Soc. Gard. *H. Le Jeune.*
262. *S. a.*, full-grown tree - (209a.)
Turham Green. *H. W. Jukes.*
263. *S. vitellina* - p. 1528. (206.)
Hort. Soc. Gard. *H. W. Jukes.*
264. *Pópulus álba* (the Abele Tree) p. 1638. (214.)
Hort. Soc. Gard. *Miss J. L.*
265. *P. canescens* - p. 1639. (215.)
Hort. Soc. Gard. *Miss J. L.*
266. *P. trémula* (the Aspen) - } p. 1645. (217.)
Hort. Soc. Gard. *Miss J. L.*
267. *P. t.* péndula - p. 1646. (218.)
Messrs. Loddiges. *H. Le Jeune.*
268. *P. græ'ea* - p. 1651. (219.)
Hort. Soc. Gard. *Miss J. L.*
269. *P. nigra* (common Black Poplar) } p. 1652. (229.)
Hort. Soc. Gard. *H. Le Jeune.*
270. *P. n.*, winter tree - - (220.)
Hort. Soc. Gard. *H. Le Jeune.*
271. *P. n.*, full-grown tree, 4to - (221.)
Lambeth Palace. *Miss M. L.*
272. *P. monilifera* (the Black Italian Poplar) - } p. 1657. (222.)
Hort. Soc. Gard. *Miss J. L.*
273. *P. m.*, winter tree - - (222.)
Bayswater. *H. Le Jeune.*
274. *P. m.*, full-grown tree, Ito. (222a.)
Syon House. *G. R. Lewis.*
275. *P. fastigiata* (syn. dilatàta) } p. 1660. (221.or 216.)
(the Lombardy Poplar) }
Hort. Soc. Gard. *Miss J. L.*
276. *P. angulàta* - p. 1670. (224.)
Hort. Soc. Gard. *Miss J. L.*
277. *P. a.*, full-grown tree - (224.)
Syon House. *G. R. Lewis.*
278. *P. balsamifera* (the Balsam Poplar) } p. 1673. (225.)
Leyton Nursery. *H. Le Jeune.*
279. *P. b.*, full-grown tree - (224.)
Syon House. *H. Le Jeune.*
280. *P. cándicans* (the Ontario Poplar) } p. 1676. (227.)
Hort. Soc. Gard. *Miss J. L.*
- BETULACEAE. (BIRCHES AND ALDERS.)**
281. *Alnus glutinosa* (the common Alder) - } p. 1678. (229.)
Hort. Soc. Gard. *Miss M. L.*
282. *A. g.* laciniàta - p. 1678. (239.)
Hort. Soc. Gard. *H. W. Jukes.*
283. *A. g. l.*, full-grown tree, 4to (231.)
Syon House. *W. A. Nesfield.*
284. *A. cordifolia* - p. 1689. (232.)
Hort. Soc. Gard. *Miss M. L.*
285. *Bétula álba* pén-dula (the Weeping Birch) - } p. 1691. (233.)
Hort. Soc. Gard. *Miss M. L.*
286. *B. populifolia* - p. 1707. (237.)
Hort. Soc. Gard. *Miss M. L.*
287. *B. papyràcea* - p. 1708. (241.)
Hort. Soc. Gard. *Miss M. L.*
288. *B. nigra* - p. 1710. (234.)
Hackney Arboretum. *H. Le Jeune.*

289. *B.*, winter tree - - (235.) Fulham Nursery. *L. Martin.*
- CORYLACEAE. (OAKS, BEECH, CHESTNUTS, HAZELS, &c.)**
290. *Quercus pedunculata* } p. 1731. (282.) (the common Oak) } Hort. Soc. Gard. *Miss M. L.*
291. *Q. p.*, full-grown tree - - (281a.) Kensington Gardens. *J. Martin.*
292. *Q. p.*, winter tree - - (282a.) Studley Park. *H. W. Jukes.*
293. *Q. p. fastigiata* - p. 1731. (282b.) Hort. Soc. Gard. *Miss M. L.*
294. *Q. sessiliflora* - p. 1736. (281.) Hort. Soc. Gard. *Miss M. L.*
295. *Q. s.*, full-grown tree, 4to (280**) Woburn Abbey. *W. A. Nesfield.*
296. *Q. s.*, winter tree - - (281*) Studley Park. *H. W. Jukes.*
297. *Q. E'senlus* (the Italian Oak) - } p. 1844. (261.) Hort. Soc. Gard. *Miss M. L.*
298. *Q. Cérris* (the Turkey, or Mossy-cupped, oak) - } p. 1846. (275.) Hort. Soc. Gard. *Miss M. L.*
299. *Q. C.*, full-grown tree, 4to (277.) Syon House. *G. R. Lewis.*
300. *Q. C.*, winter tree, 4to - - (276.) Muswell Hill. *Miss M. L.*
301. *Q. C. austriaca* - p. 1848. (279.) Hort. Soc. Gard. *Miss M. L.*
302. *Q. C. fulhamensis* } (syn. dentata) } (Fulham Oak) } p. 1850. (278.) Hort. Soc. Gard. *Miss M. L.*
303. *Q. C. f.*, full-grown tree - (278a.) Fulham Nursery. *L. Martin.*
304. *Q. C. f.*, winter tree, 4to - (278b.) Fulham Nursery. *H. Le Jeune.*
305. *Q. C. Lucombeana* } (the Lucombe Oak) - } p. 1857. (280.) Hort. Soc. Gard. *Miss M. L.*
306. *Q. C. L.*, winter tree - - (280a.) Fulham Nursery. *H. Le Jeune.*
307. *Q. Ægilops* (the Valonia Oak) - } p. 1861. (266.) Hackney Arboretum. *H. Le Jeune.*
308. *Q. Æ.*, full-grown tree - - (267.) Syon House. *G. R. Lewis.*
309. *Q. álba* (the American White Oak) - } p. 1864. (252.) Hackney Arboretum. *H. Le Jeune.*

LIST OF PLATES IN VOL. VII., ALPHABETICALLY ARRANGED.

The Roman numerals refer to the volumes of the text where the species is treated of.

- Abele Tree. See *Pópulus álba*.
- Alder. See *Alnus*.
- Alnus cordifolia* III. p. 1689. (232.)
- A. glutinosa* (the common Alder) - } III. p. 1678. (229.)
- A. g. laciniata* - III. p. 1678. (239.)
- A. g. l.*, full-grown tree, 4to - - (231.)
- Bétula álba pendula* } III. p. 1691. (233.) (the Birch) - }
- B. nigra* - - III. p. 1710. (234.)
- B. n.*, winter tree - - - (235.)
- B. papyracea* - III. p. 1708. (241.)
- B. populifolia* - III. p. 1707. (237.)
- Birch. See *Bétula*.
- Broussonétia papyrifera* (the Paper Mulberry) - } III. p. 1361. (180.)
- Butter Nut. See *Juglans cinerea*.
- Carya álba* (Hickory Nut), full-grown tree - - } III. p. 1446. (200.)
- Catálpa syringafolia* III. p. 1261. (169.)
- C. s.*, full-grown tree - - - (170.)
- Céltis occidentalis* } III. p. 1417. (193.) (the Nettle Tree) }
- C. o.*, full-grown tree - - - (192a.)
- C. Tournefortii* - - III. p. 1416. (194.)
- Eleagnus orientalis* } III. p. 1321. (175.) (the Oleaster) - }
- Elm. See *Ulmus*.
- Elm, American. See *U. americana*. common, or English. See *U. campéstris*. Cornish. See *U. m. fastigiata*. Dutch, or Cork-barked. See *U. suberòsa*. Seoteh. See *U. montana major*. Weeping. See *U. m. pendula*.
- Fig. See *Ficus*.
- Ficus Cárica* (the Fig) III. p. 1365. (178.)
- Hickory Nut. See *Carya*.
- Hippóphæ Rhamnoides angustifolia* } III. p. 1325. (174a.) (Sea Buckthorn) }

- Juglans cinerea* - III. p. 1439. (198.)
J. nigra - III. p. 1435. (197.)
J. n., full-grown tree, 4to - (197a.)
J. regia (the Walnut) III. p. 1423. (196.)
J. r., full-grown tree - - (195a.)
J. r., full-grown winter tree - (196a.)
Laúrus nobilis (the Sweet Bay) - III. p. 1297. (171.)
L. Sassafras (the Sassafras Tree) - III. p. 1301. (172a.)
L. S., full-grown tree - - (172.)
Lote Tree. See *Celtis*.
Morus álba - III. p. 1348. (181.)
M. a., full-grown tree, 4to - (181a.)
M. nigra (the Mulberry) - III. p. 1343. (182.)
M. n., full-grown tree - - (182a.)
M. (pennsylvánica) - III. p. 1359. (183.)
rúbræ - - -
Mulberry. See *Morus*.
Nettle Tree. See *Celtis*.
Nýssa biflòra (the Tupelo Tree), full-grown tree - III. p. 1317. (173.)
Oak. See *Quercus*.
Oak, American White. See *Q. álba*.
Bitter. See *Q. Cérvis*.
British, or common. See *Q. pedunculata*, and *Q. sessiliflòra*.
Fulham. See *Q. C. fulhamensis*.
Italian. See *Q. E'seulus*.
Lucombe. See *Q. C. Lucombeana*.
Mossy-cupped. See *Q. Cérvis*.
Turkey. See *Q. Cérvis*.
Oleaster. See *Elaeagnus*.
Paper Mulberry. See *Broussonétia*.
Plánera Richárdi - III. p. 1409. (184a.)
P. R., full-grown tree - - - (184.)
Poplar. See *Pópulus*.
Poplar, *Aspen*. See *P. trémula*.
Balsam. See *P. balsamifera*.
Black. See *P. nigra*.
Black Italian. See *P. monilifera*.
Lombardy. See *P. fastigiata*.
Ontario. See *P. cándicans*.
Pópulus álba (the Abele Tree) - III. p. 1638. (214.)
P. angulata - III. p. 1670. (224.)
P. a., full-grown tree - - - (224.)
P. balsamifera - III. p. 1673. (225.)
P. b., full-grown tree - - - (224.)
P. cándicans - III. p. 1676. (227.)
P. canescens - III. p. 1639. (215.)
P. (dilatata) fastigiata - III. p. 1660. (221.)
or 216.)
P. græ'ea - III. p. 1651. (219.)
P. monilifera - III. p. 1657. (222.)
P. m., winter tree - - - (222.)
P. m., full-grown tree, 4to - - (222a.)
P. nigræ - III. p. 1652. (221.)
P. n., winter tree - - - (220.)
P. n., full-grown tree, 4to - - (221.)
P. trémula - III. p. 1645. (217.)
P. t. pendula - III. p. 1646. (218.)
Pterocáräya caucásica III. p. 1451. (199.)
Quercus álba - III. p. 1864. (252.)
Q. Ægilops - III. p. 1861. (266.)
Q. Æ., full-grown tree - - - (267.)
Q. Cérvis - III. p. 1846. (275.)
Q. C., full-grown tree, 4to - - - (277.)
Q. C., winter tree, 4to - - - (276.)
Q. C. austriaca - III. p. 1848. (279.)
Q. C. fulhamensis (dentata) - III. p. 1850. (278.)
Q. C. f., full-grown tree - - - (278a.)
Q. C. f., winter tree, 4to - - - (278b.)
Q. C. Lucombeana III. p. 1857. (280.)
Q. C. L., winter tree - - - (280a.)
Q. E'seulus - III. p. 1844. (261.)
Q. pedunculata - III. p. 1731. (282.)
Q. p., full-grown tree - - - (281a.)
Q. p., winter tree - - - (282a.)
Q. p. fastigiata - III. p. 1731. (282b.)
Q. sessiliflora - III. p. 1736. (281.)
Q. s., full-grown tree, 4to - - - (280**)
Q. s., winter tree - - - (281*)
Sálix álba - III. p. 1522. (209.)
S. a., full-grown tree - - - (209a.)
S. babylónica (the Weeping Willow) - III. p. 1507. (207.)
S. b. críspa - - III. p. 1514. (208.)
S. frágilis - - III. p. 1516. (205.)
S. vitellina - - III. p. 1528. (206.)
Sassafras. See *Laúrus Sassafras*.
Sea Buckthorn. See *Hippóphæ*.
Sweet Bay. See *Laúrus nobilis*.
Tupelo. See *Nýssa*.
Ulmus americana - III. p. 1406. (189.)
U. a. incisa - III. p. 1406. (189a.)
U. campéstris (the common Elm) - III. p. 1374. (185.)
U. c., full-grown tree - - - (184.)
U. c. strícta, full-grown tree - III. p. 1375. (184a.)
U. c. viminális - III. p. 1376. (185a.)
U. effusa - III. p. 1397. (191.)
U. c., winter tree - - - (191a.)
U. májor - - III. p. 1396. (188.)
U. m., full-grown tree - - - (187.)
U. montaña májor III. p. 1398. (188a.)
U. m. pendula (rúbræ) III. p. 1398. (190.)
U. m. fastigiata - III. p. 1399. (187a.)
U. planifolia - III. p. 1377. (191b.)
U. (c.) suberòsa - III. p. 1395. (186.)
Walnut. See *Juglans*.
Willow. See *Sálix*.
Willow, Weeping. See *S. babylónica*.
Huntingdon, or *White*. See *S. álba*.

Catálpa syringæfòlia.
The Syringa-leaved Catalpa.



11 ft. high, 2½ in. diam



The Syringa-leaved Catalpa.



Full-grown tree at Syon ; 54 ft. high, diam. of the trunk 2 ft., and of the head 48 ft.
[Scale 1 in. to 12 ft.]



Laurus nobilis.

The noble Laurel, or the Sweet Bay tree.



12 ft. high, 3 in. diam.



Laurus Sassafras.

The Sassafras tree.



10 ft. high, 1½ in. diam.



Laúrus Sássafras.
The Sassafras tree.



Full-grown tree at Syon; 46 ft. high, diam. of the trunk 3 ft., and of the head 34 ft.
[Scale 1 in. to 12 ft.]



Nyssa biflora.

The two-flowered Nyssa, or *Tupelo tree*.



Full-grown tree at Thomson's Villa, Richmond; 34 ft. high
[Scale 1 in. to 12 ft.]

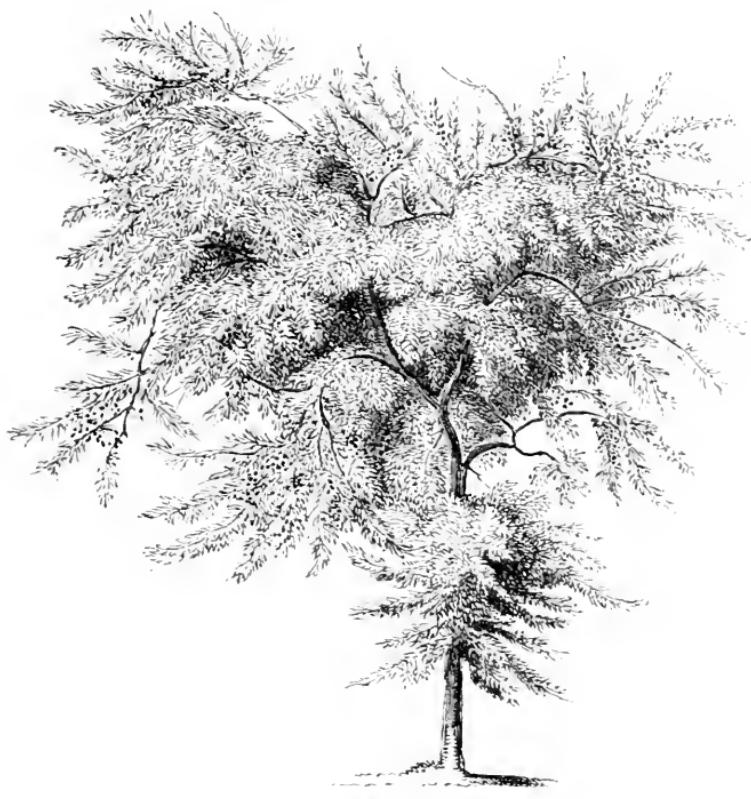


The Eastern Oleaster.



Hippóphæ Rhamnoidæ angustifolia.

The narrow-leaved Rhamnus-like Sea Buckthorn.

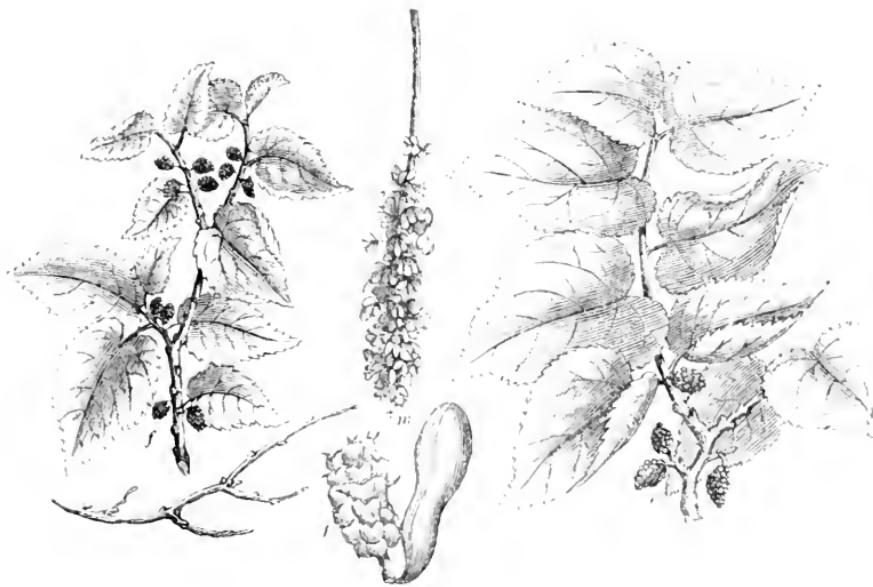


Morus nigra.

The black-fruited, or common, Mulberry tree.



11 ft. high, 3 in. diam.





Remarkable tree at Battersea, upwards of 300 years old; 26 ft. high, with above 15 stems, and covering a space 74 ft. by 60 ft.
[scale 1 in. to 12 ft.]

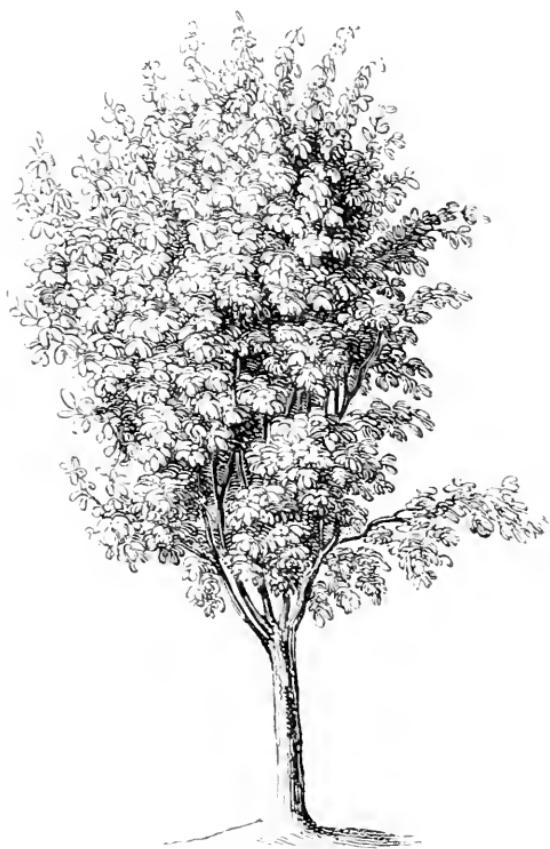


or common, Mulberry.

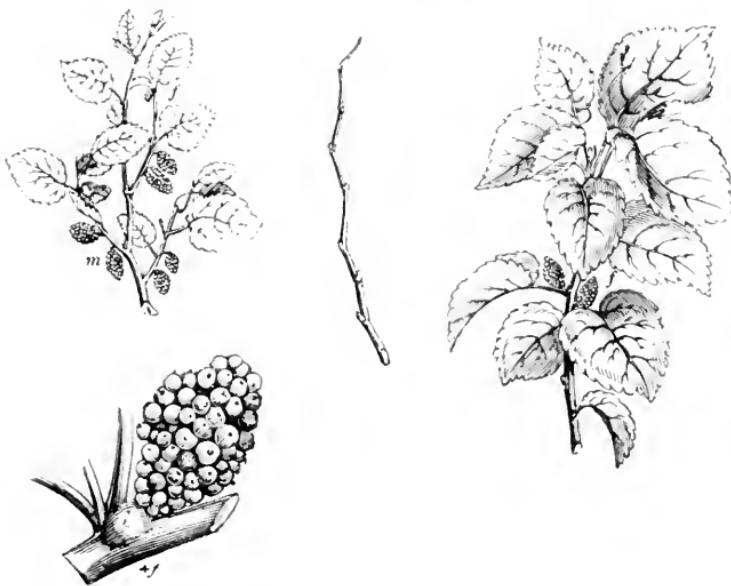
Morus nigra. The black,

Morus alba.

The white-fruited Mulberry.



15 ft. high, 5½ in. diam.





Morus alba.

The white Mulberry.



Full-grown tree at Syon; 48 ft. high, diam. of the head 72 ft.
[Scale 1 in. to 12 ft.]



Morus rubra (syn. *pennsylvánica*).

The Pennsylvanian Mulberry tree.



13 ft. high, 3 in. diam.



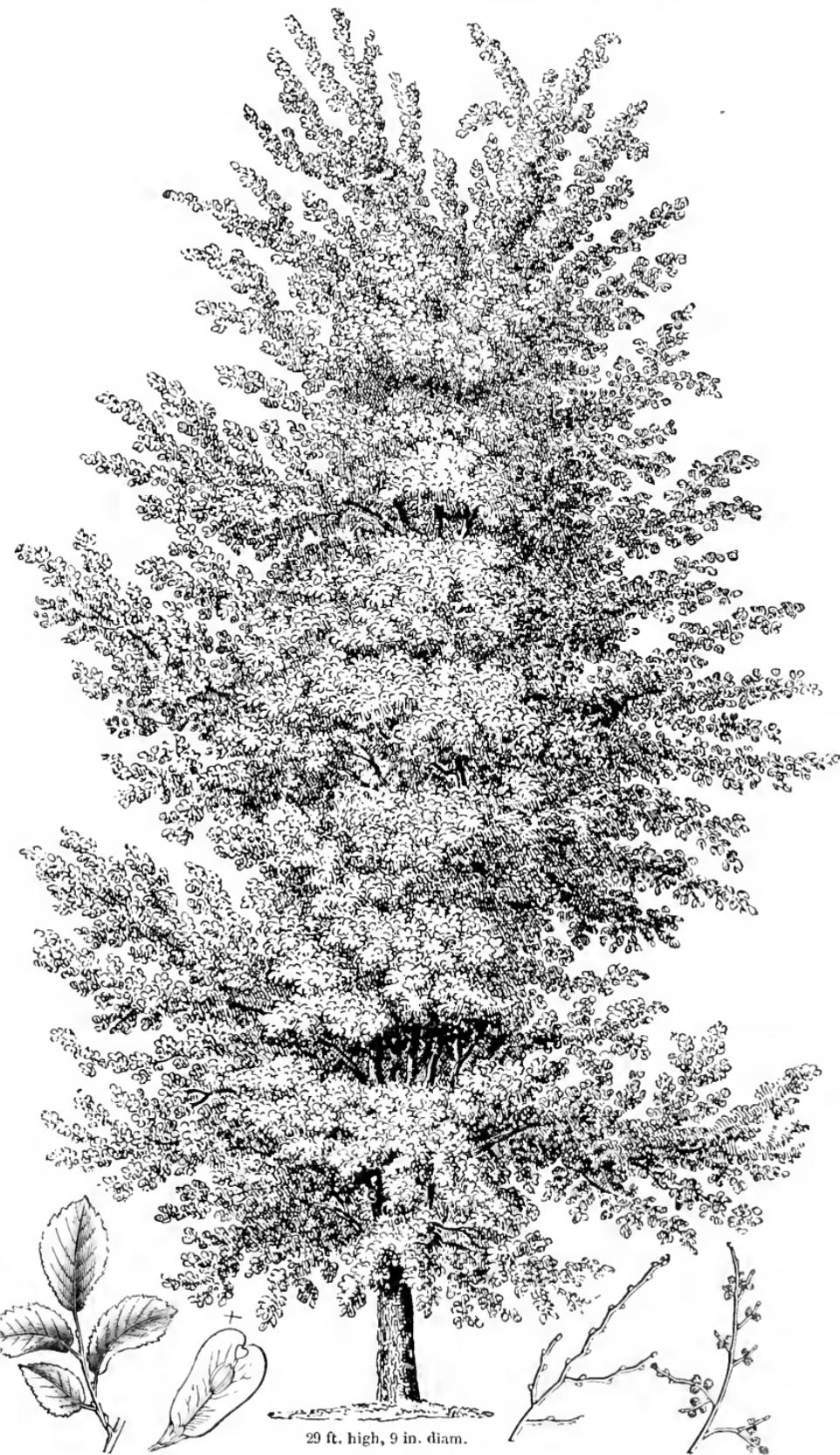


Ficus Cárīca.
The common Fig tree.



10 ft. high, $2\frac{1}{2}$ in. diam.





Ulmus campéstris.

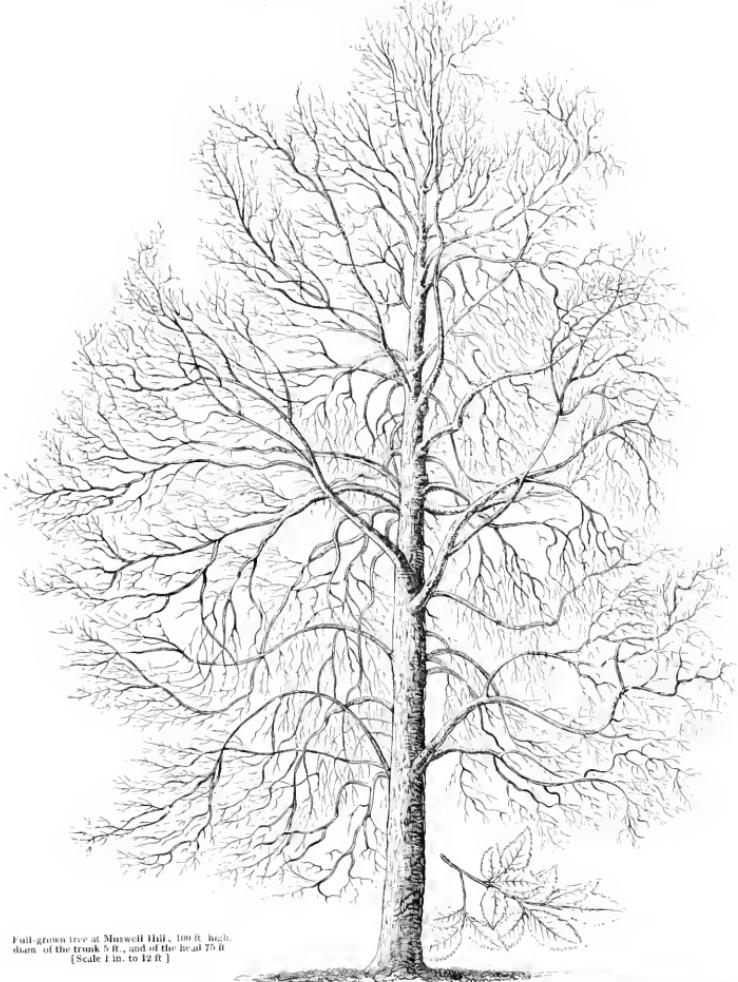
The field, or common English, Elm.



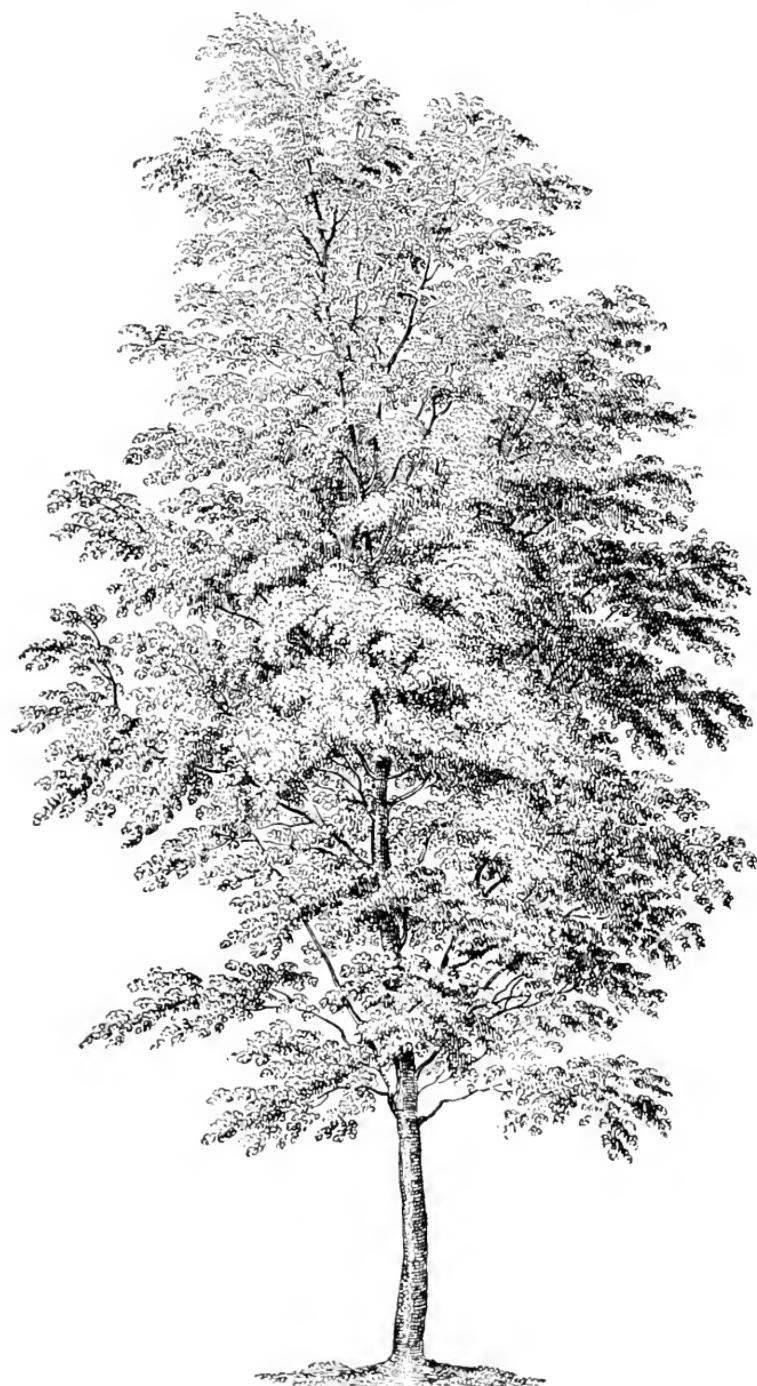
Full-grown tree in Kensington Gardens; 65 ft. high, diam. of the trunk 3 ft., and of the head 48 ft.
[Scale 1 in. to 12 ft.]







Full-grown tree at Maxwell Hill, 100 ft. high,
diam. of the trunk 5 ft., and of the head 75 ft.
(Scale 1 in. to 12 ft.)

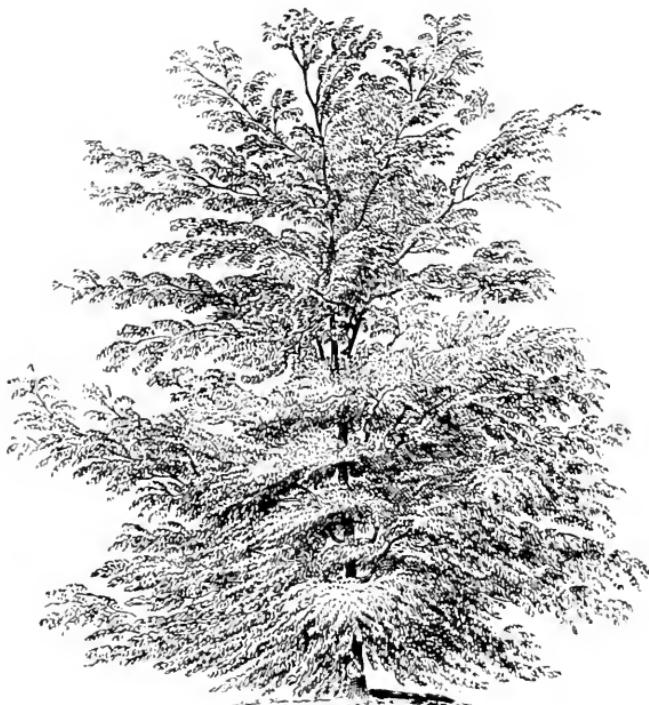


25 ft. high, 5 in. diam.



Ulmus planifolia.

The flat-leaved Elm.

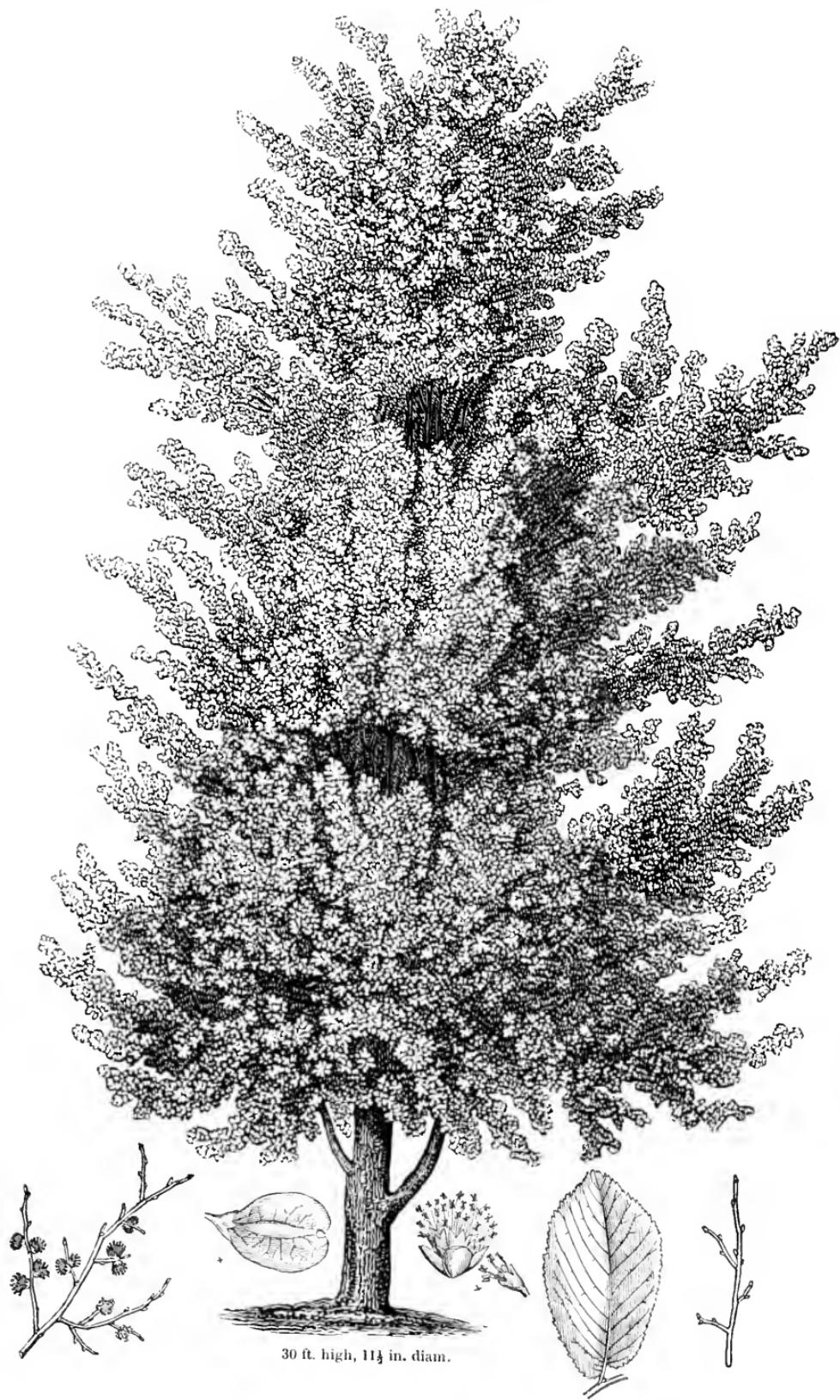


12 ft. high, 2½ in. diam.



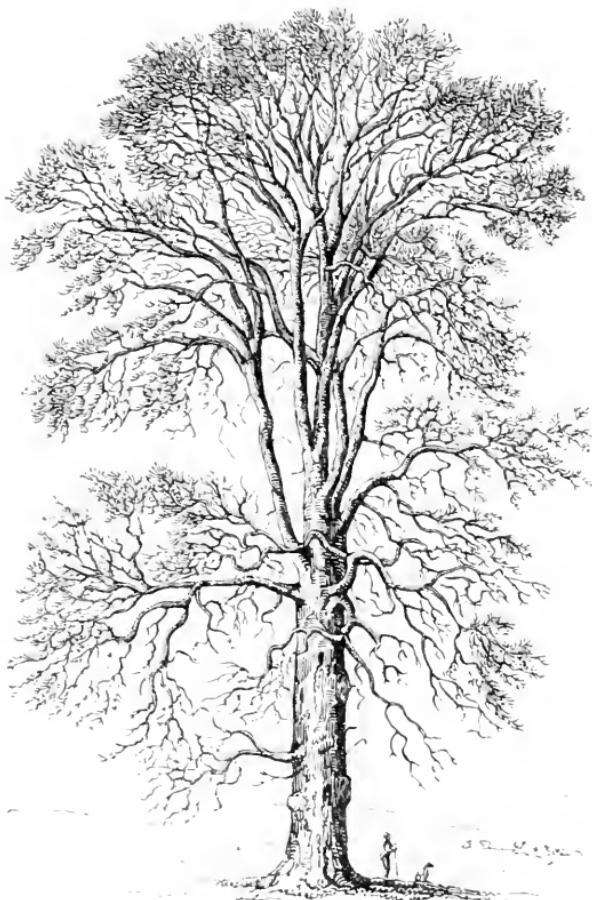
The cork-barked field Elm.





Ulmus major.

The greater, or Dutch cork-barked, Elm.



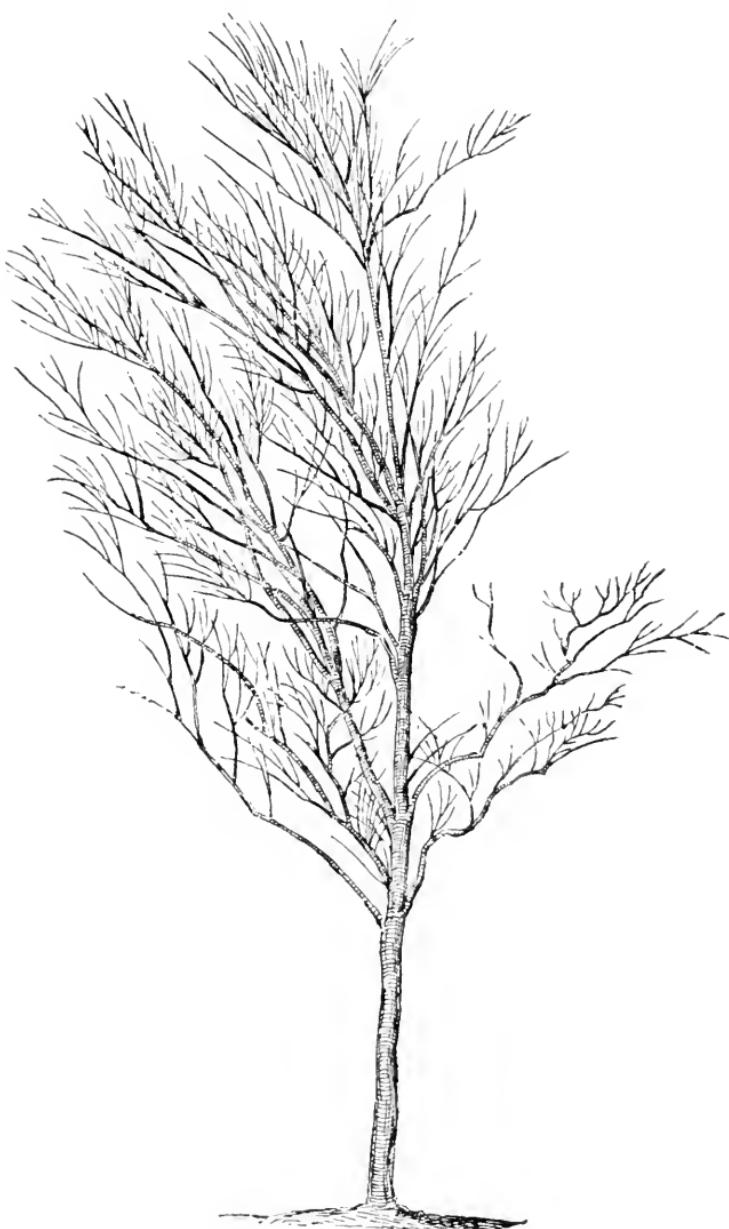
Full-grown tree at Studley ; 94 ft. 10 in. high, diam. of the trunk 5 ft. 6 in.
[Scale 1 in. to 21 ft.]



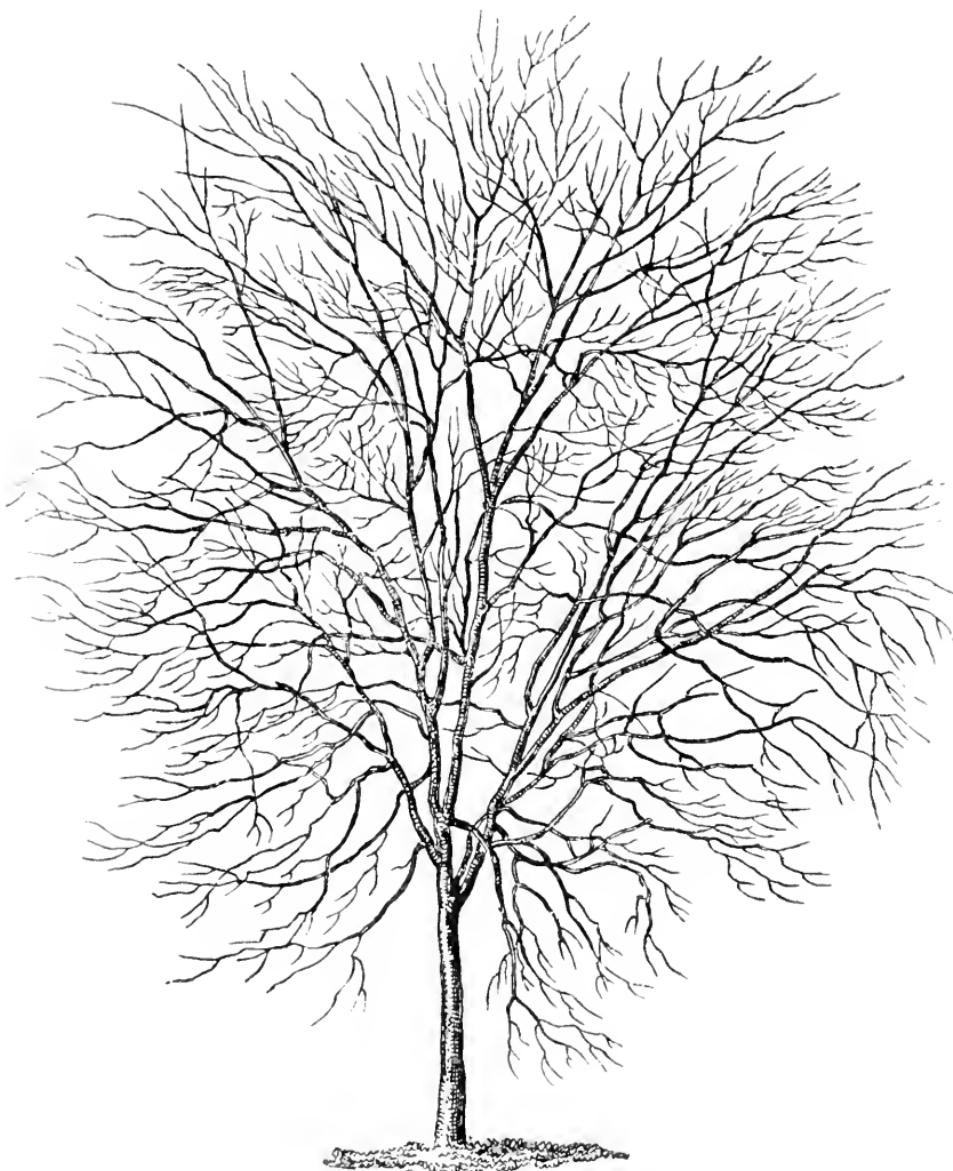
The spreading-flowered Elm.



The spreading-branched Elm.



The larger mountain, *Scotch*, or *Wych*, Elm.



20 ft. high, 2½ in. diam.





The pendulous, or weeping, mountain Elm.

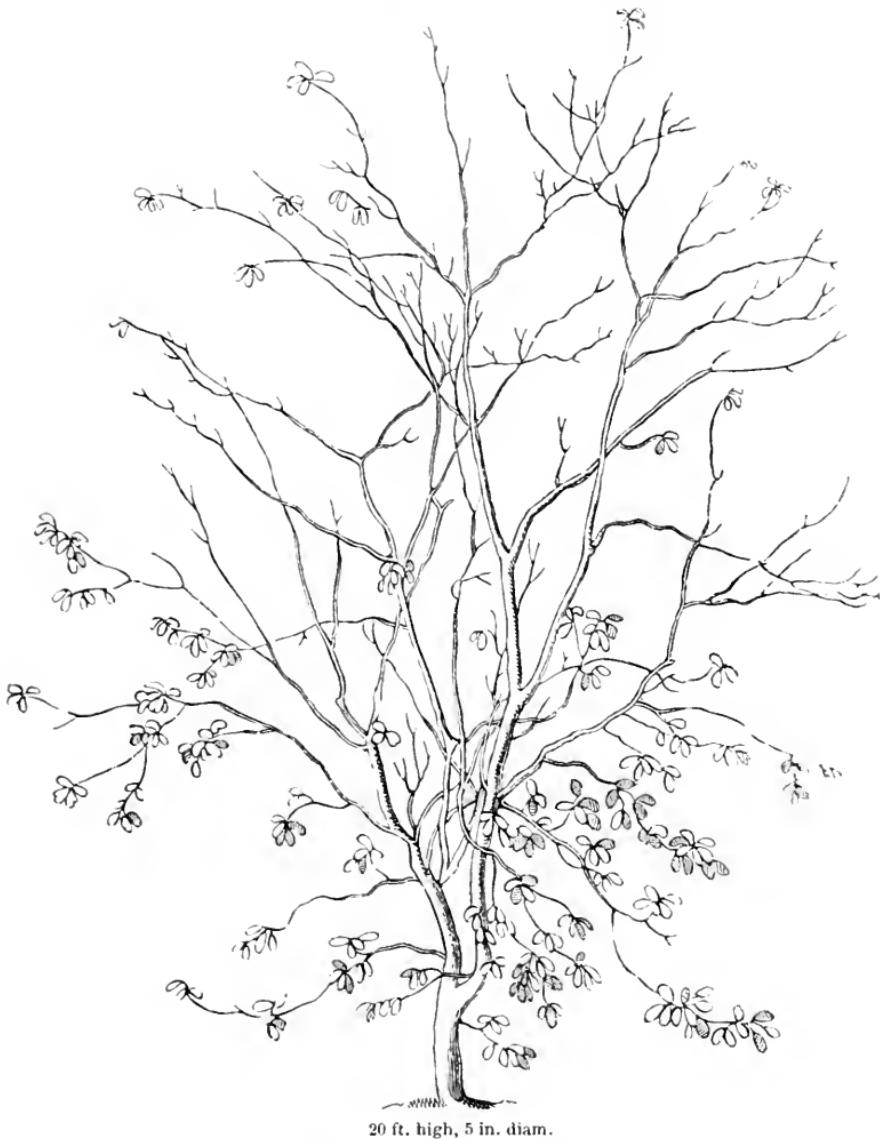


16 ft. high, 4 in. diam.

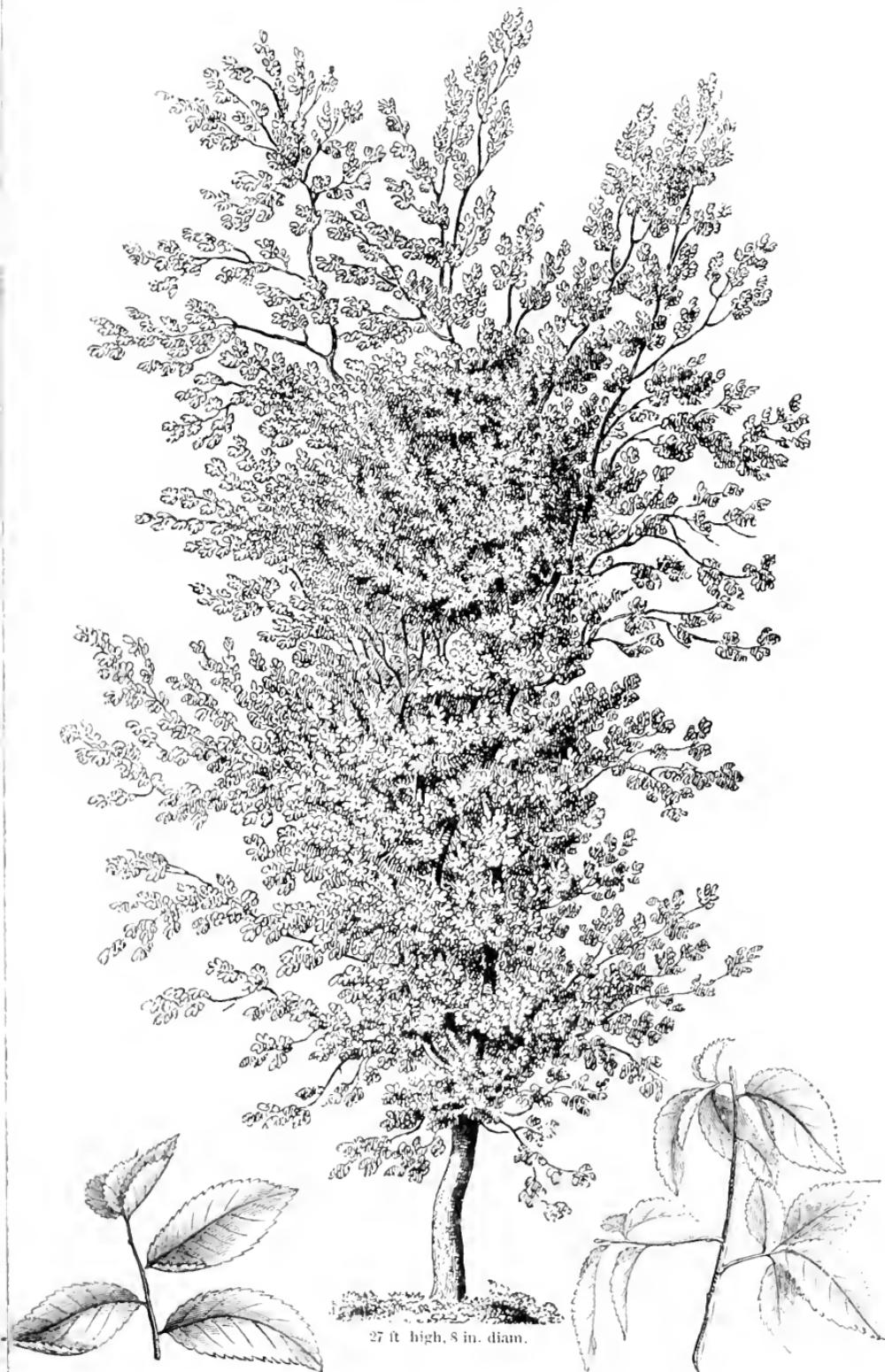


The fastigate mountain, or Scotch, Elm.





The cut-leaved American Elm.



Richard's Planera, or the Zelkoua tree.





Full-grown tree at Syon; 54 ft. high.



Celtis Tournefortii.

Tournefort's Celtis, or Nettle tree.

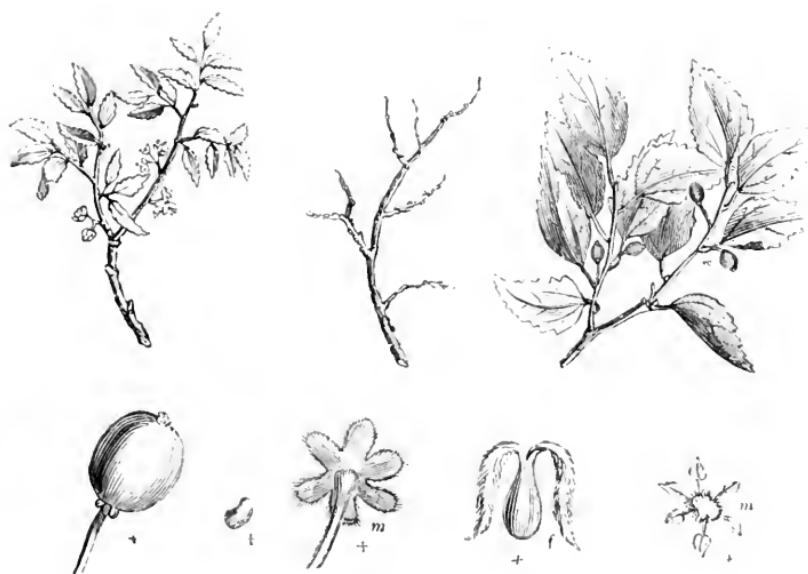


10 ft. high, 2 in. diam.



Celtis occidentalis.

The Western, or American, Nettle tree.

15 ft. high, $2\frac{1}{2}$ in. diam.

The Western, or American, Nettle tree.



Full-grown tree at Syon ; 58 ft. high, diam. of the trunk 3 ft., and of the head 40 ft.
[Scale 1 in. to 12 ft.]



The royal, or common, Walnut tree.



19 ft. high, 7½ in. diam.



Juglans regia.

The royal, or common, Walnut tree.



Full-grown tree at Chiswick; 54 ft. high, diam. of the trunk 4½ ft., and of the head 50 ft.
[Scale 1 in. to 12 ft.]



Juglans regia.

The common, or royal, Walnut.

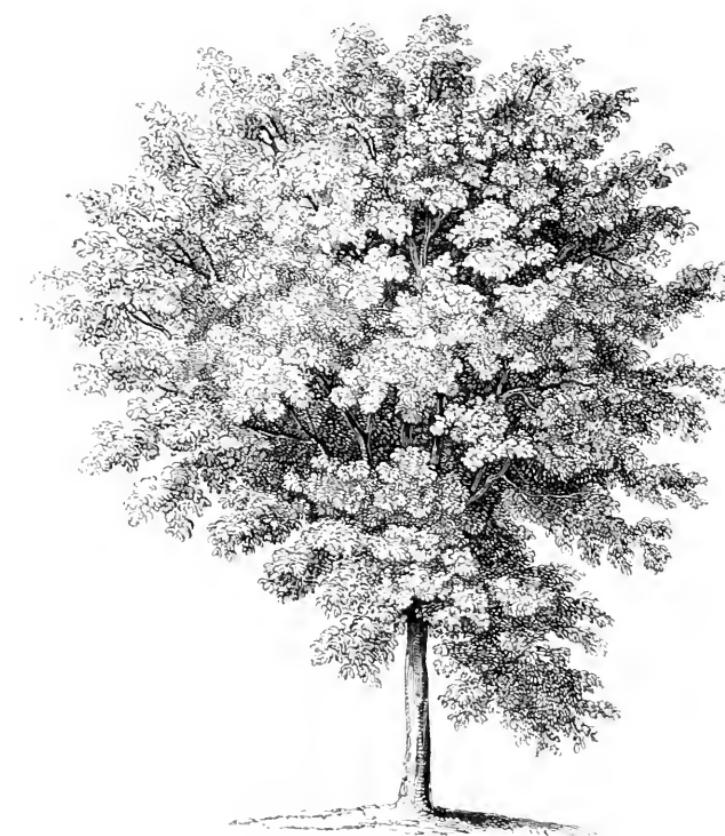


Full-grown winter tree at Studley; 82 ft. high, diam. of the head 96 ft.
[Scale 1 in. to 24 ft.]



Juglans nigra.

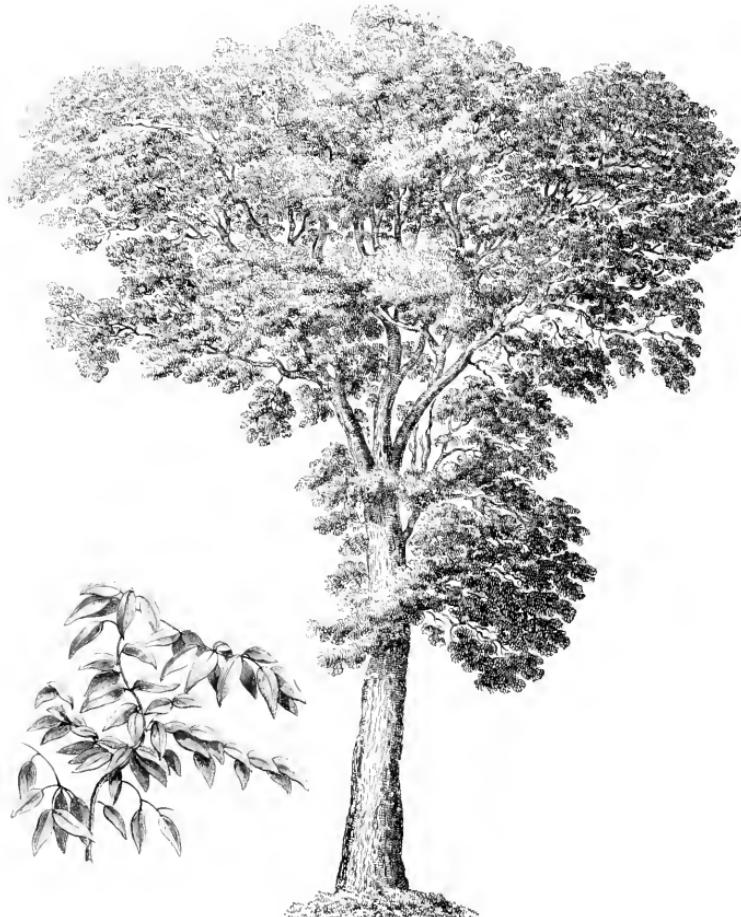
The black Walnut tree.



15 ft. high, 6 in. diam.

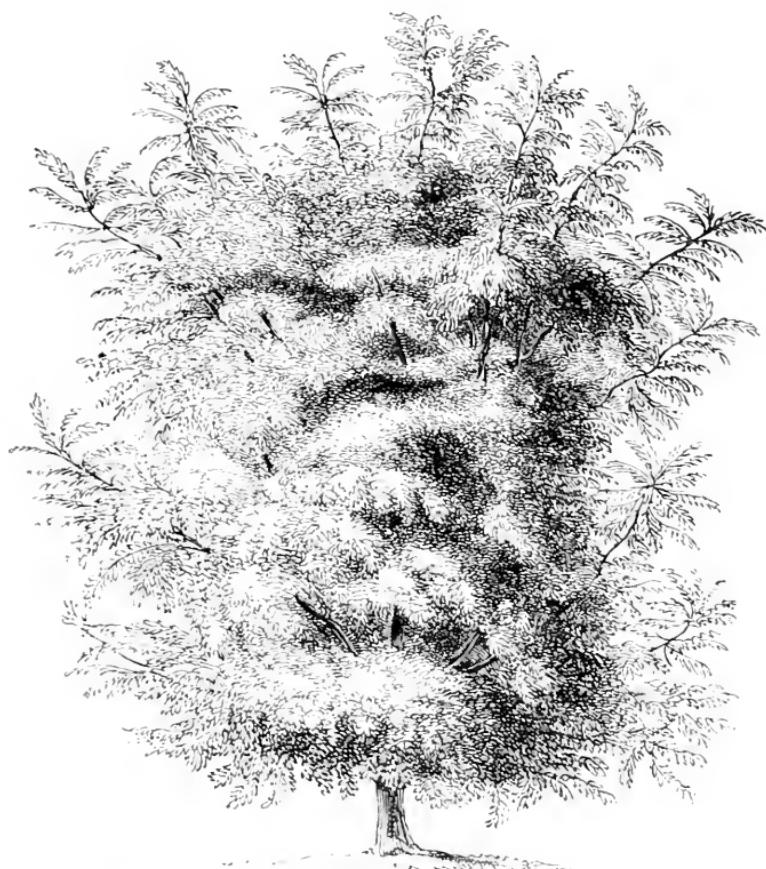






Full-grown tree at Syen; 79 ft. high, diam. of the head 59 ft.
[Scale 1 in. to 12 ft.]

The grey-barked Walnut, or Butter-nut.



15 ft. high, 6 in. diam.



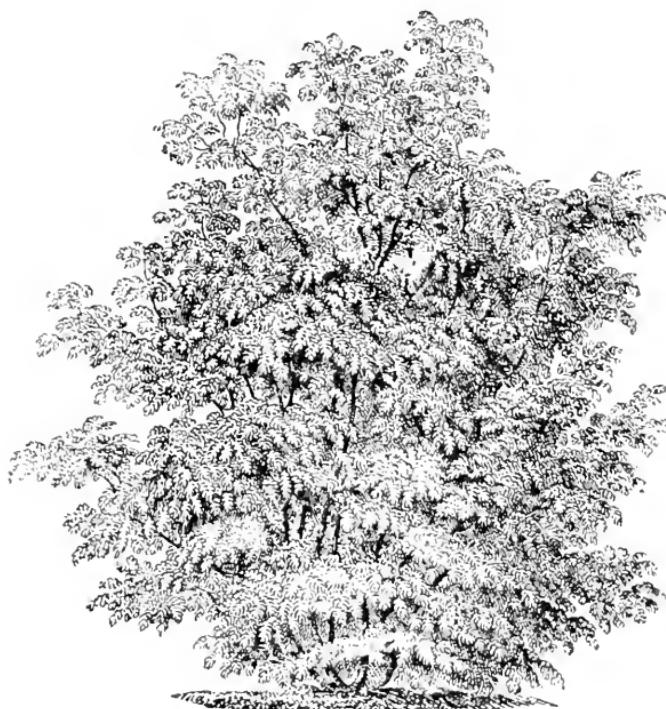


Full-grown tree at Purser's Cross; 80 ft. high, diam. of the trunk $2\frac{1}{3}$ ft., and of the head 45 ft.
[Scale 1 in. to 12 ft.]



Pterocarya caucásica.

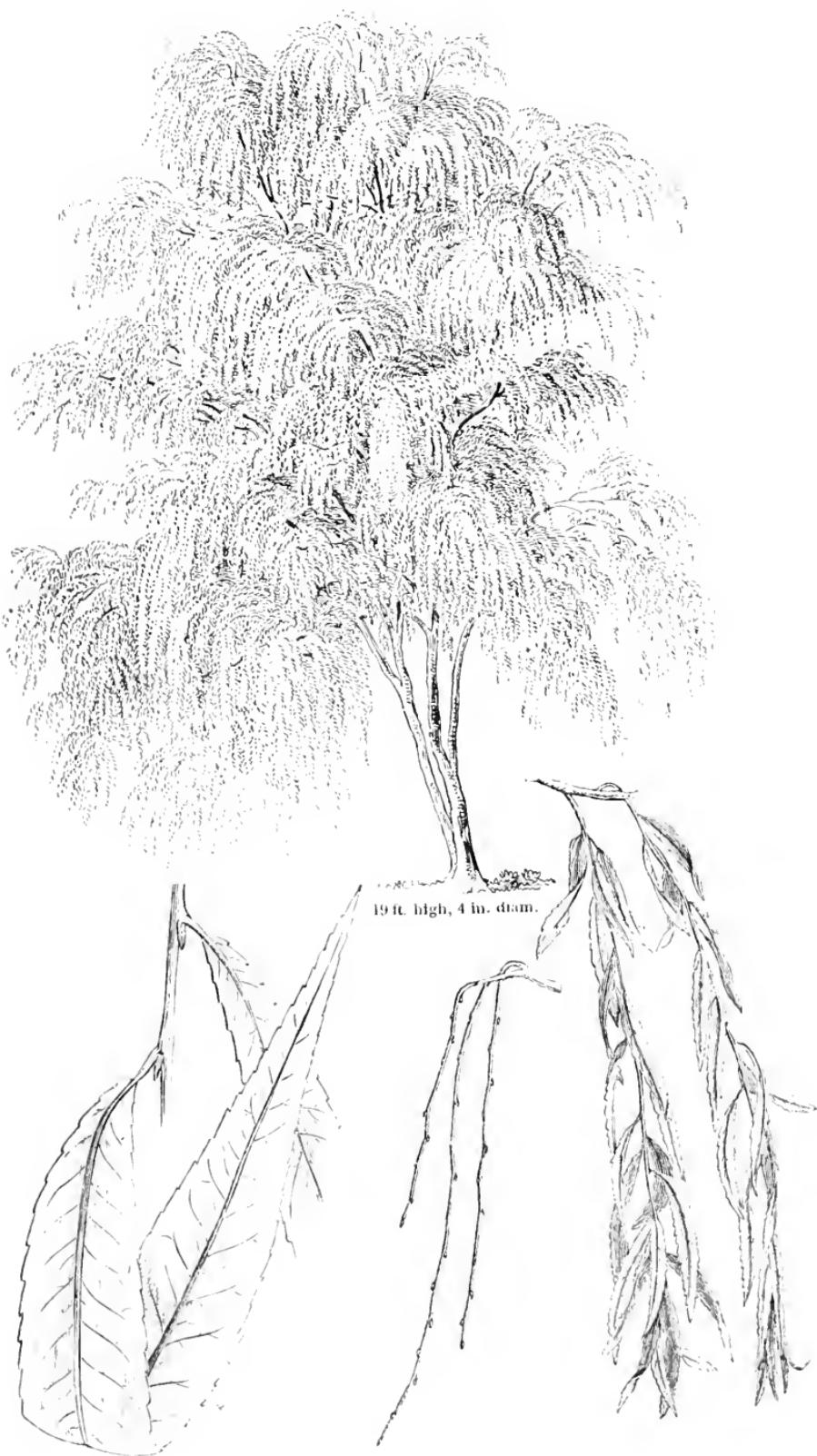
The Caucasian Pterocarya.



12 ft. high, the stems 2 in. diam.



The Babylonian, or Weeping, Willow.

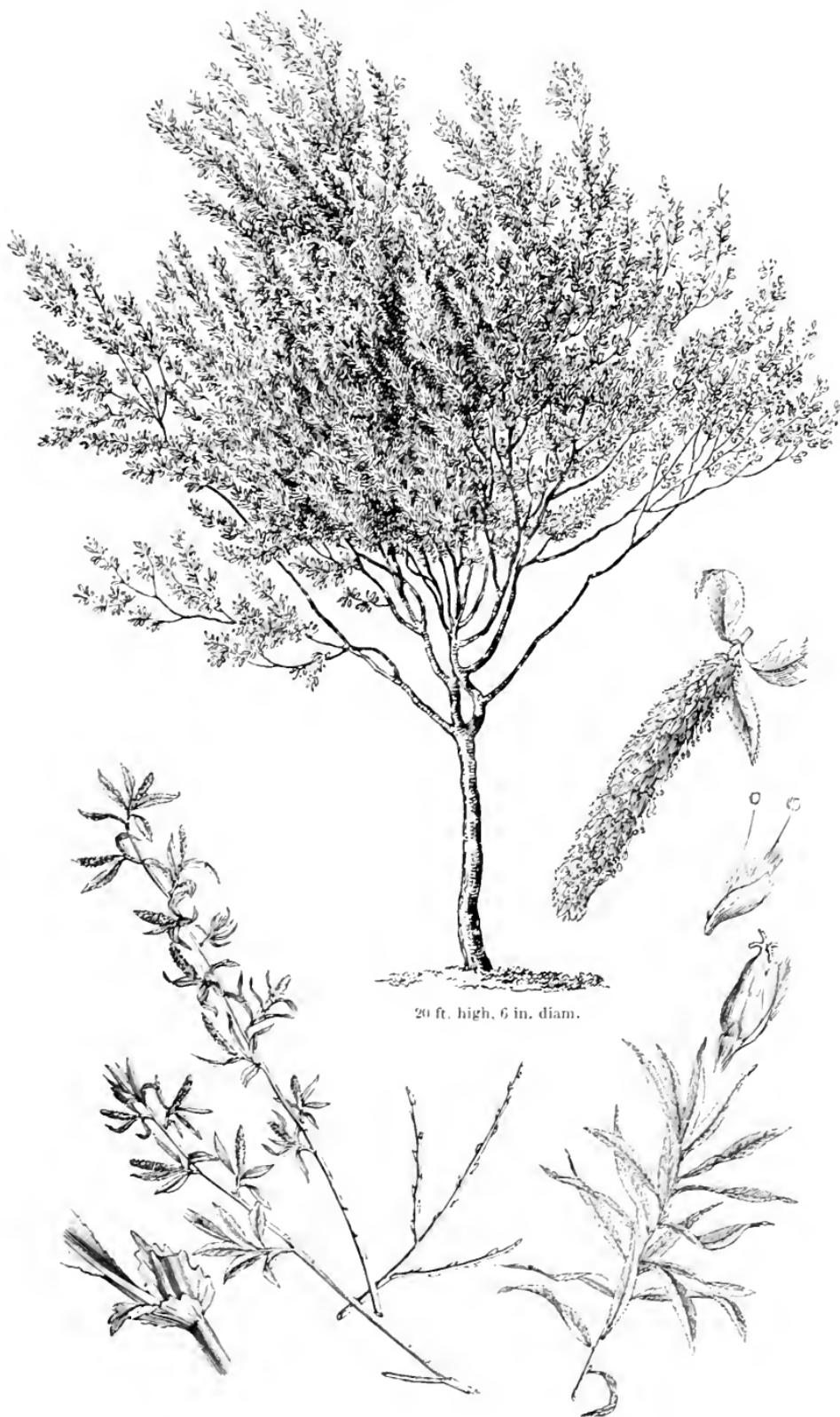


The curled-leaved Babylonian, or Weeping, Willow.



18 ft. high, 5 in. diam.

The fragile-twigg'd Willow.



The white-leaved Willow.





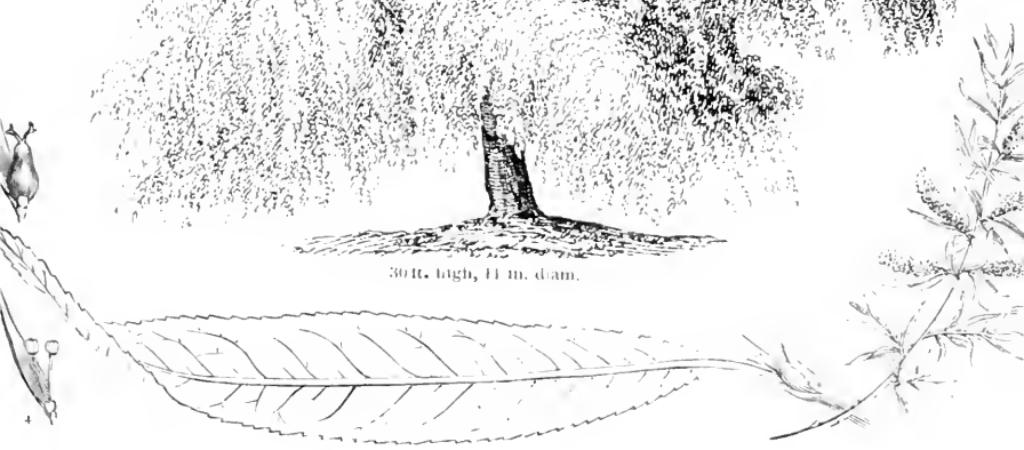
Full-grown tree on the common at Turnham Green; 65 ft. high.
[Scale 1 in. to 12 ft.]

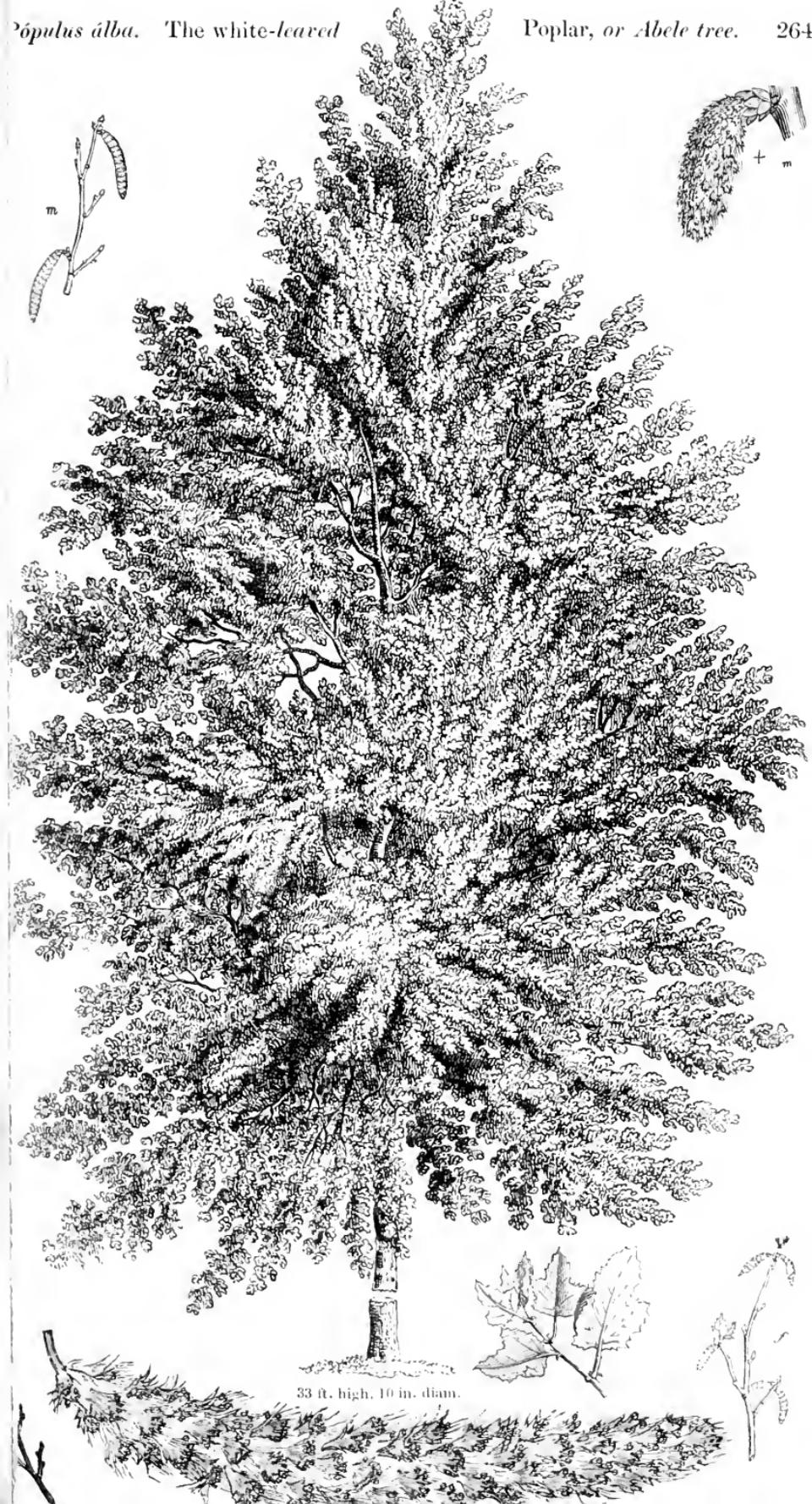


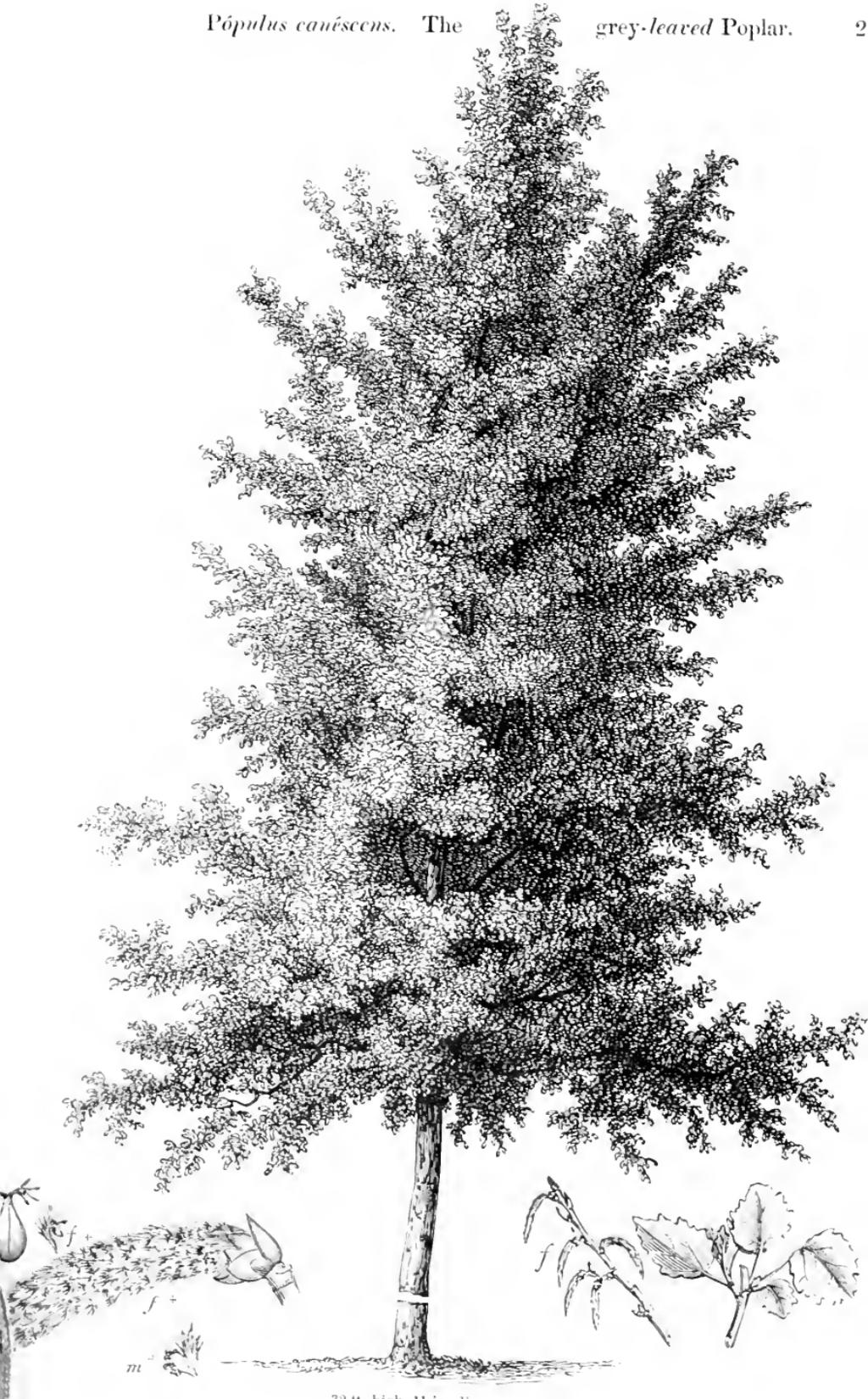
The yellow, or yolk-of-egg, barked Willow.



30 ft. high, 11 in. diam.

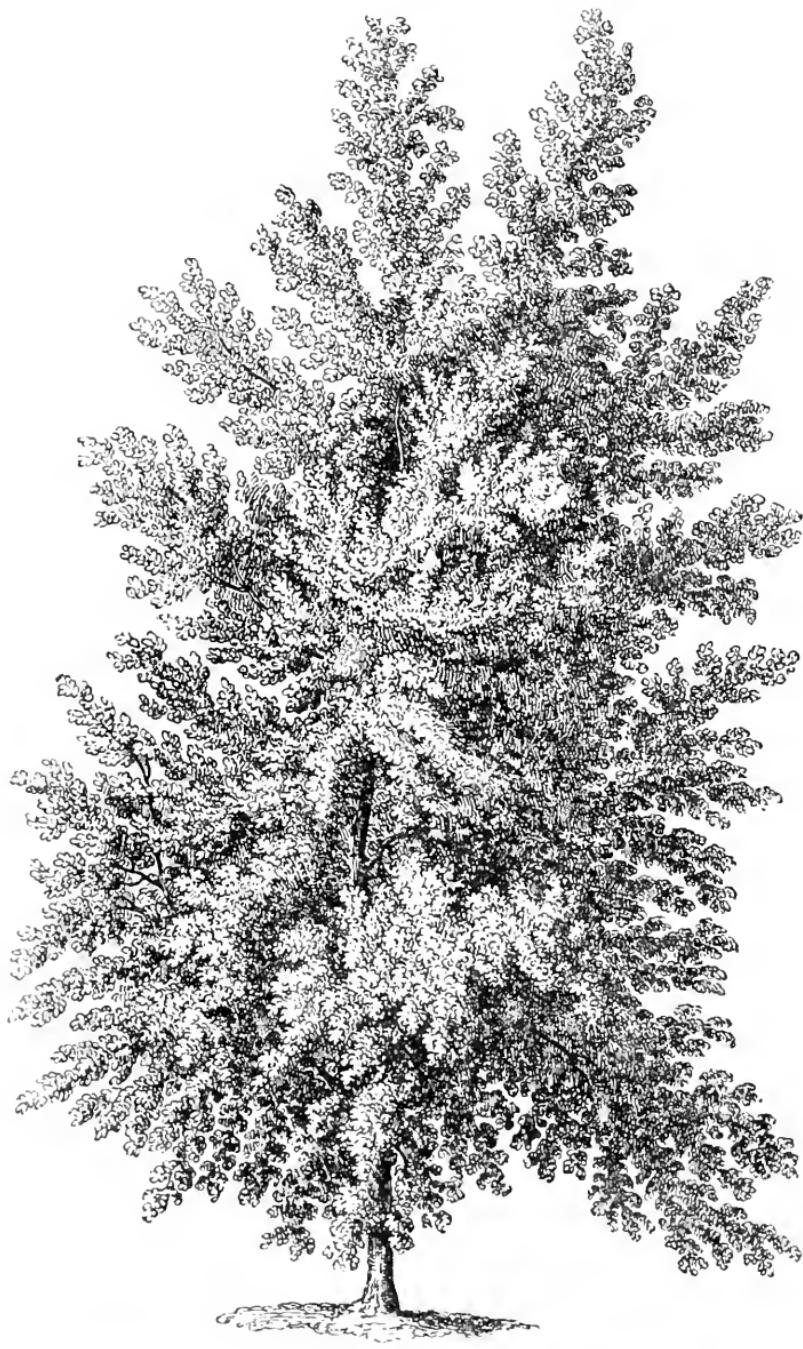




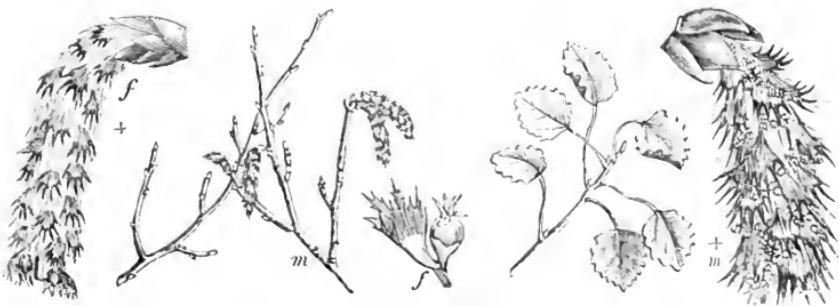


32 ft. high, 11 in. diam.

The trembling-leaved Poplar, or British Aspen.



24 ft. high, 7½ in. diam.



The pendulous-branched trembling-leaved Poplar.



14 ft. high, 2 in. diaun.

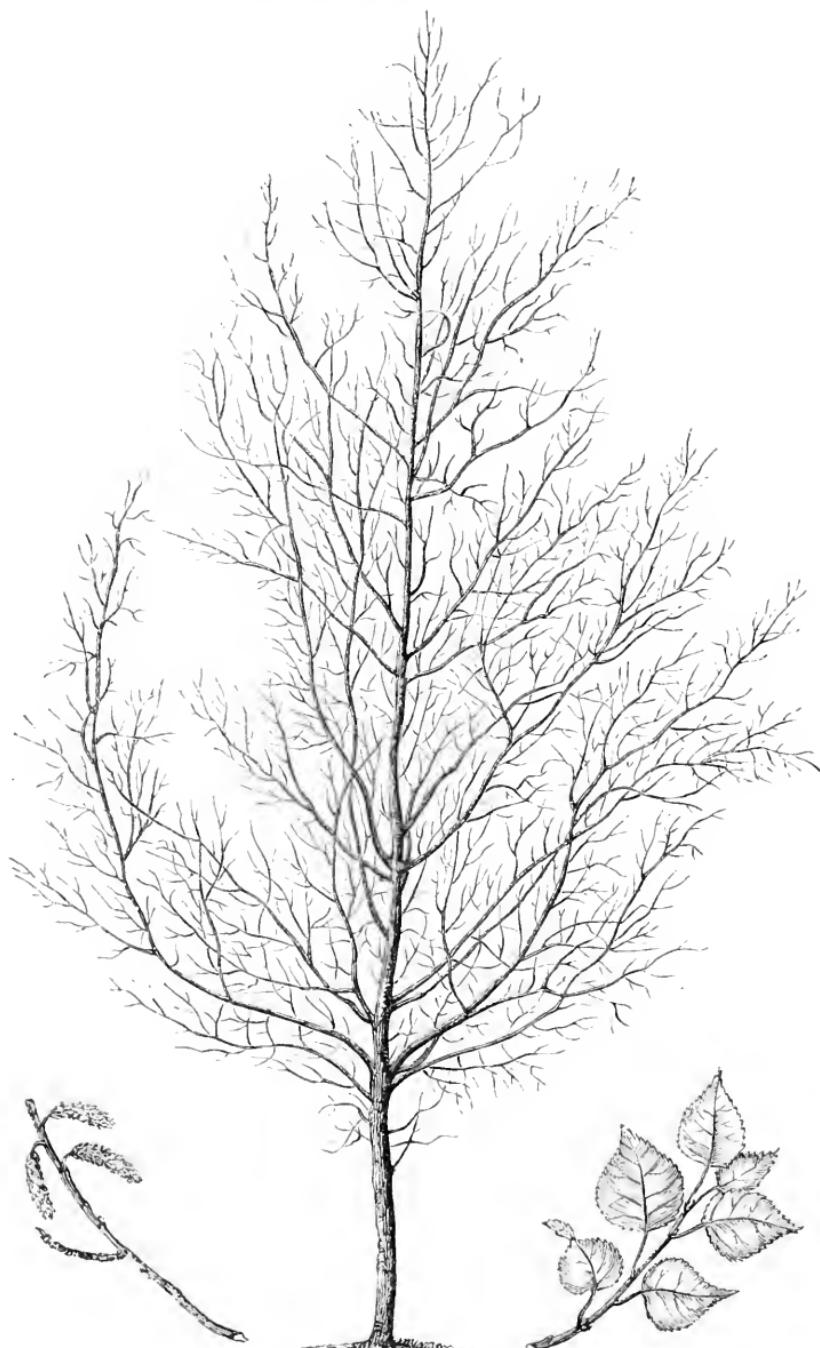


The Greek, or Athenian, Poplar.

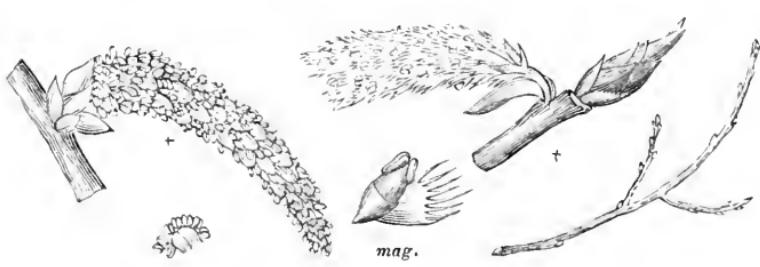


31 ft. high, 1 ft. diam.





24 ft. high, 6 in. diam.



mag.

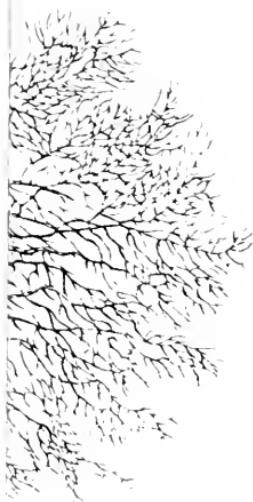
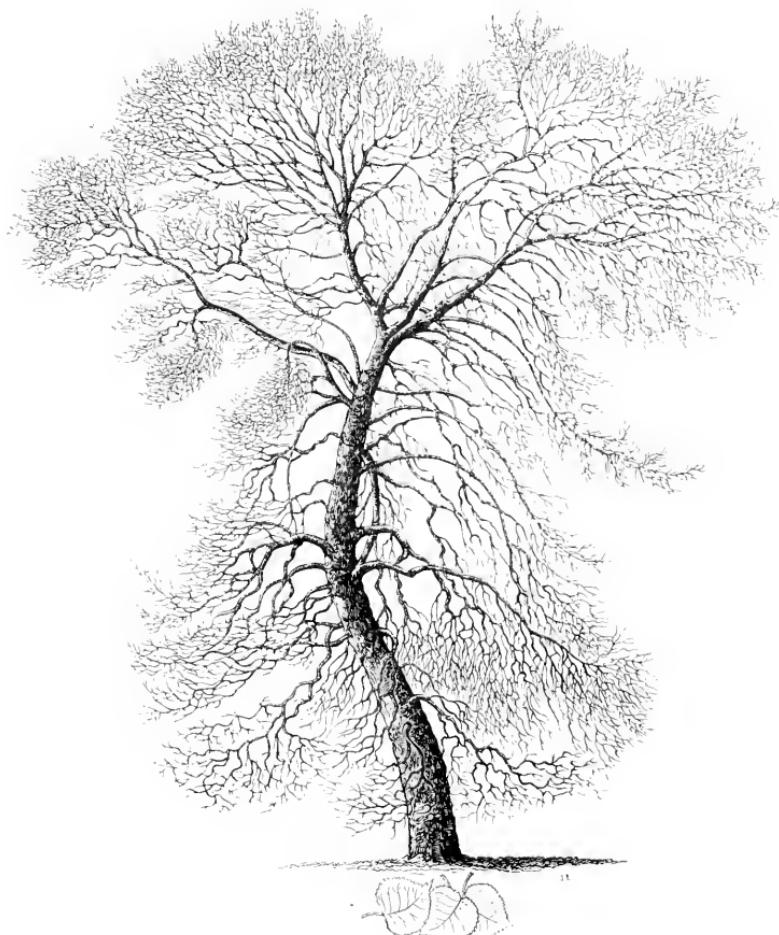


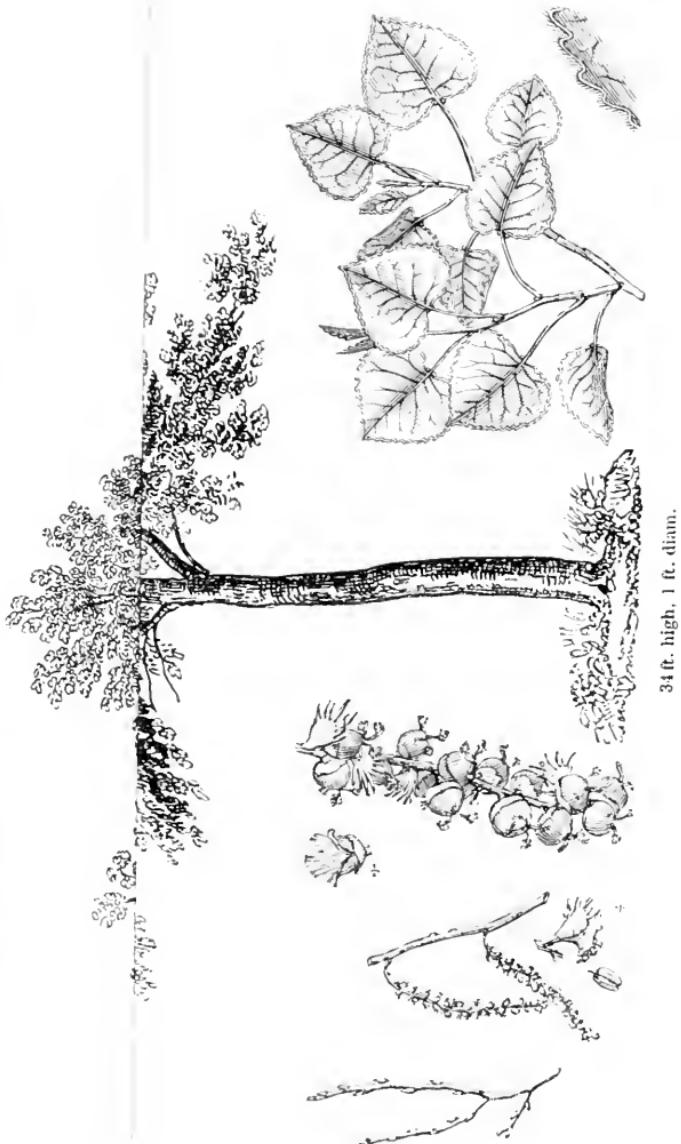
Fig. 12 ft.]



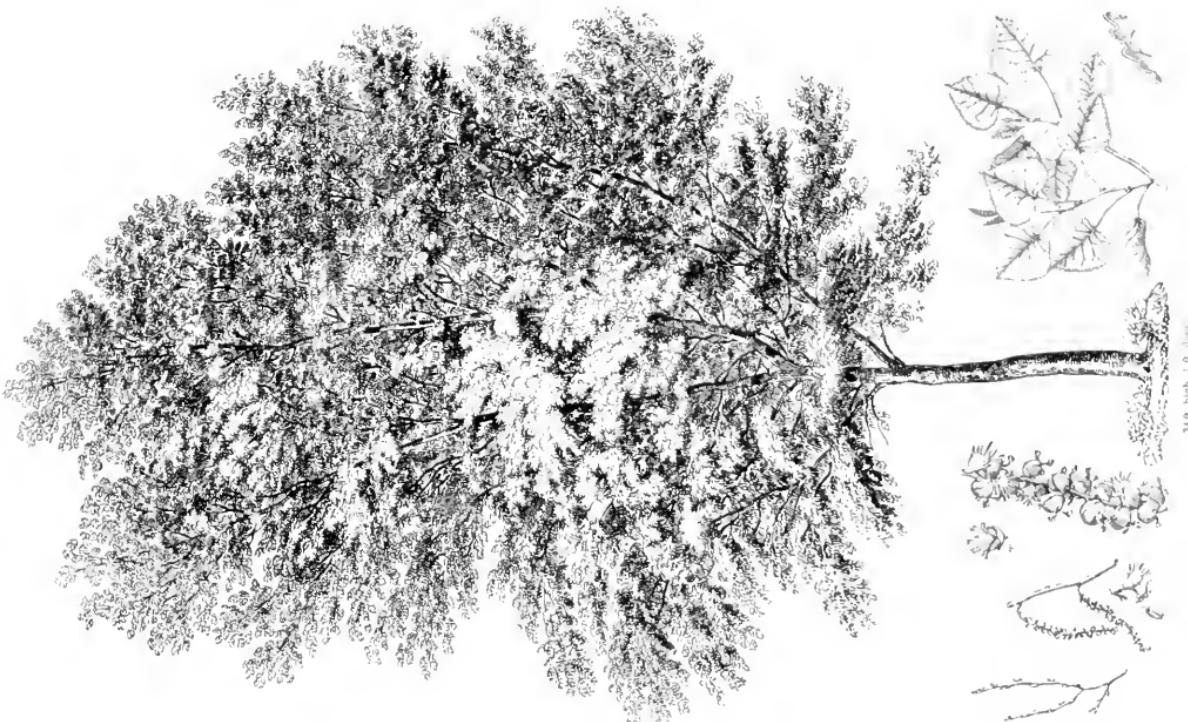
Full-grown tree at Lambeth Palace, 84 ft. high, diam. of the trunk 5 ft., and of the head 7 ft. [Scale 1 in. to 12 ft.]

Populus monilifera. The necklace-bearing, or Black Italian, Poplar.

272

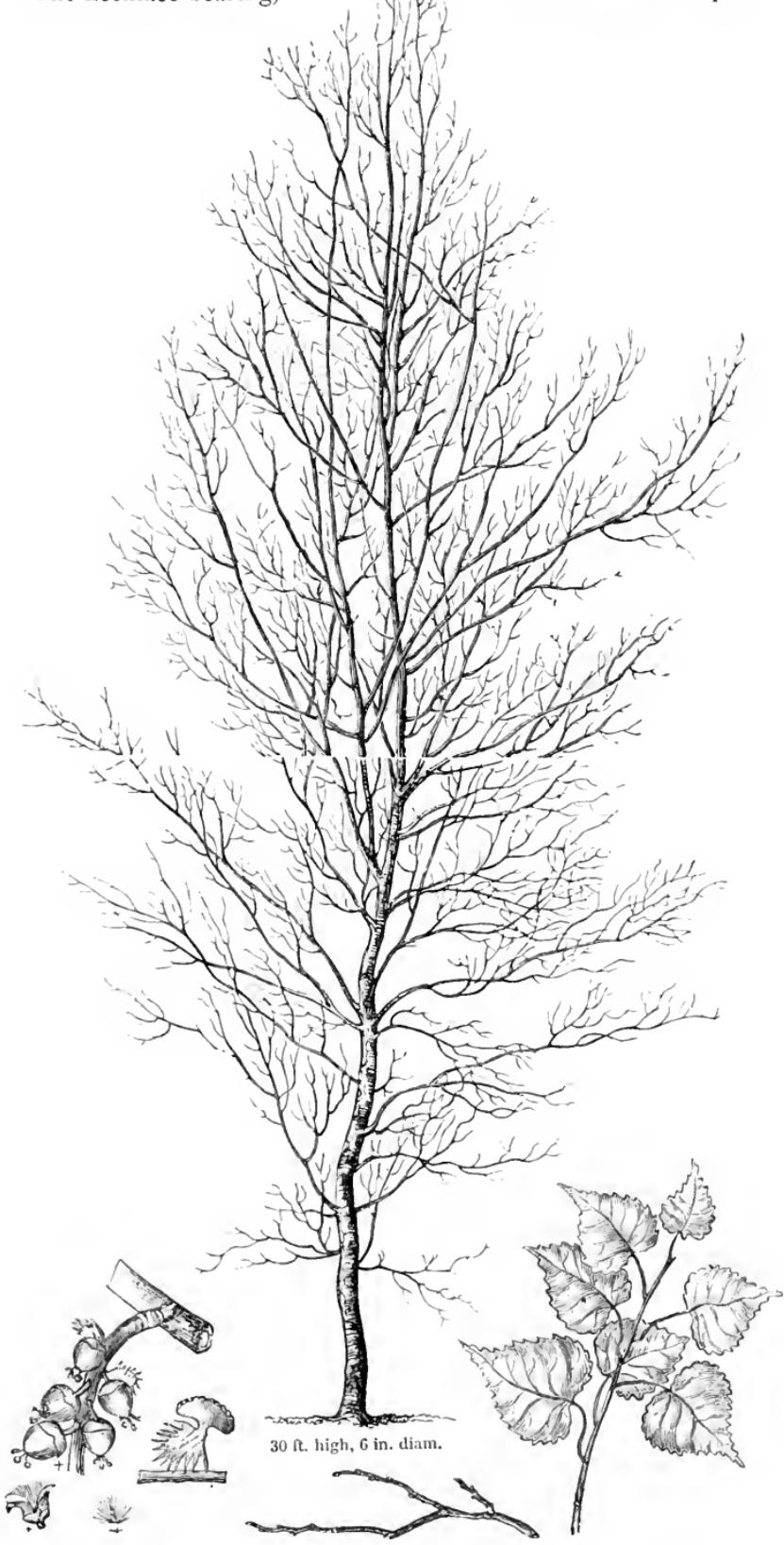


34 ft. high, 1 ft. diam.



The necklace-bearing,

or Black Italian, Poplar.





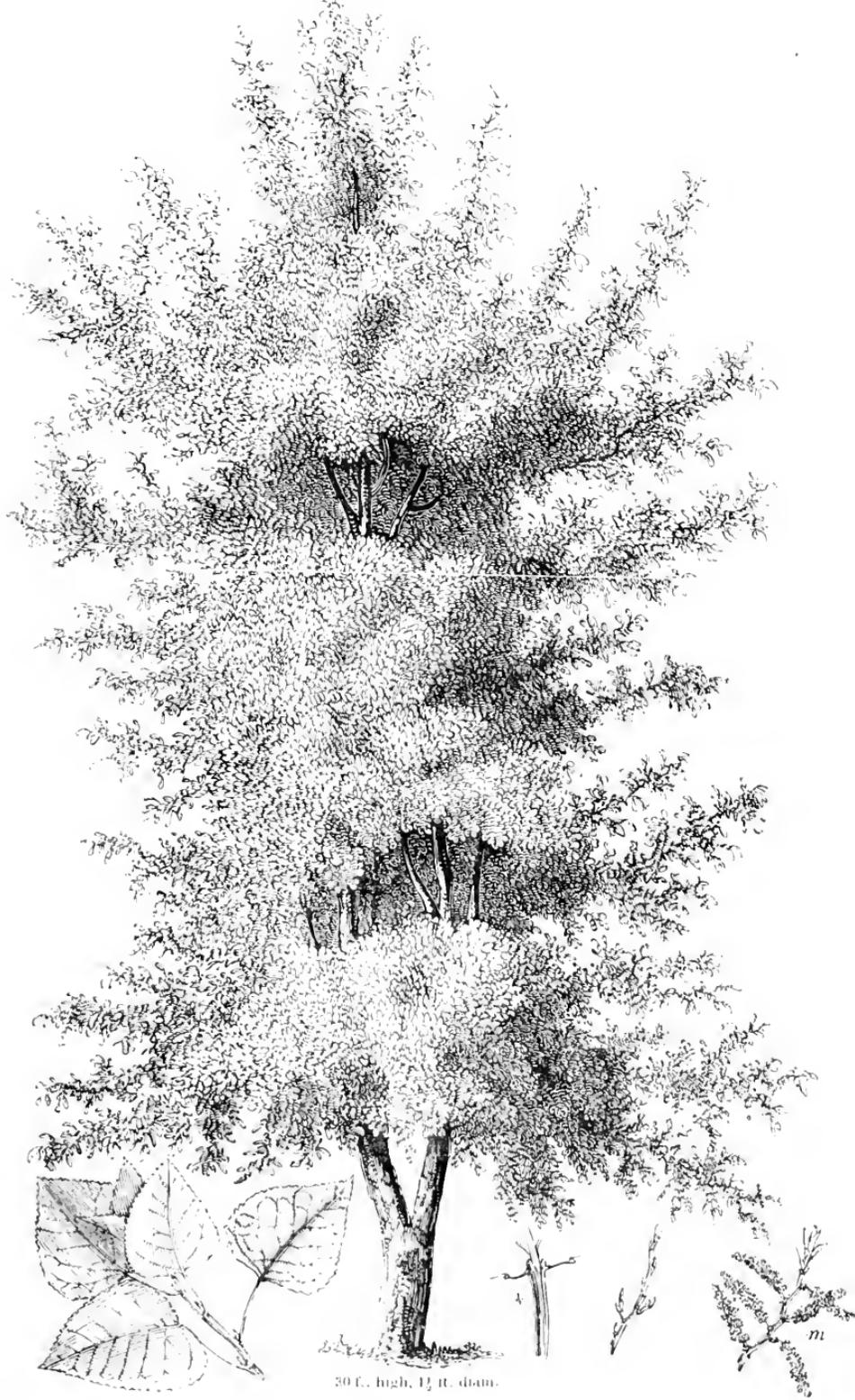
$\frac{1}{2}$ ft., and of the head 96 ft.



Full-grown tree at Spou; 102 ft. high, diam. of the trunk 4 ft., and of the head 96 ft.
[Scale 1 in. to 12 ft.]



29 ft. high, 6 in. diam.



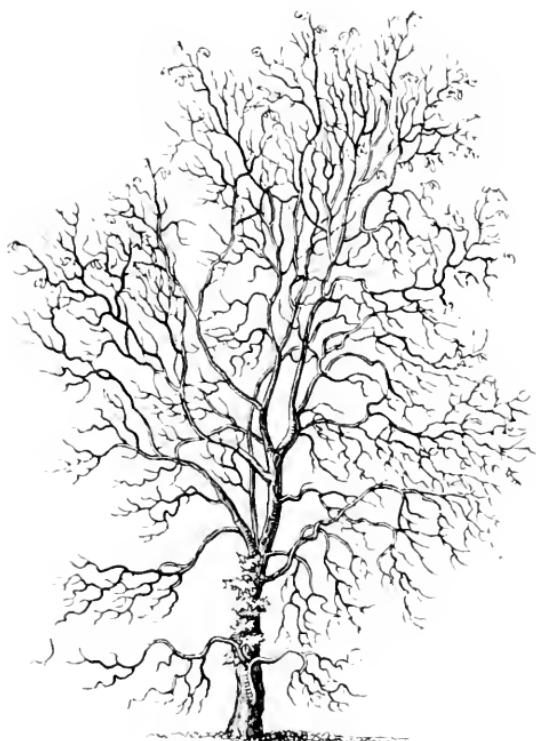
30 ft. high, 1½ in. diam.



Full-grown tree at Syon; 83 ft. high.
[Scale 1 in. to 12 ft.]



Populus balsamifera.
The balsam-bearing Poplar.



Full-grown tree at Syon; 40 ft. high, diam. of the trunk 3 ft., and of the head 30 ft.
[Scale 1 in. to 12 ft.]

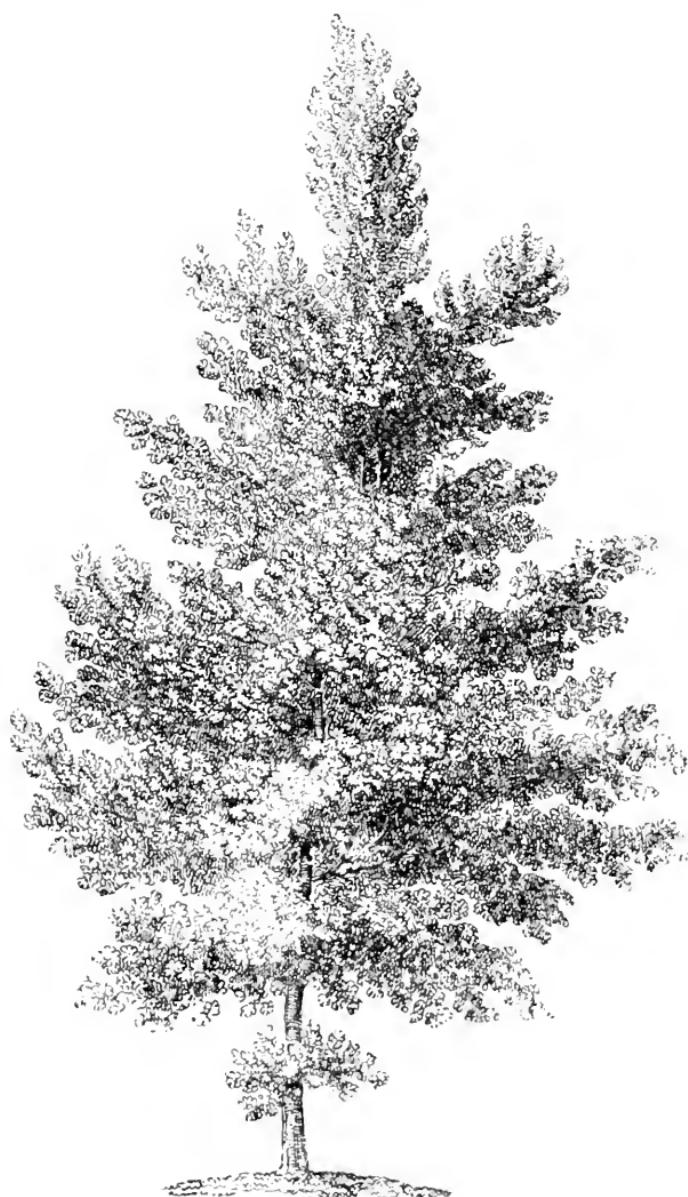


The whitish heart-shaped-leaved, or Ontario, Poplar.

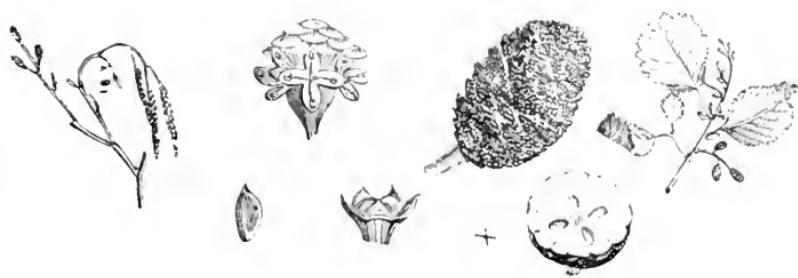


27 ft. high, 7 in. diam.

The common, or glutinous-leaved, Alder.

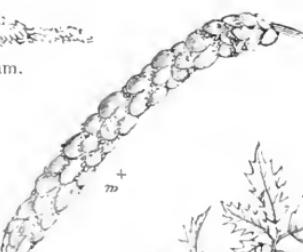


21 ft. high, 5 in. diam.





22 ft. high, 1½ in. diam.





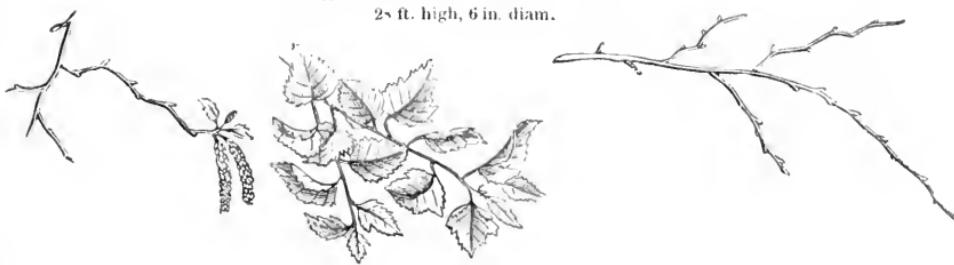


Full-grown tree at Syon; 63 ft. high.
[Scale 1 in. to 12 ft.]



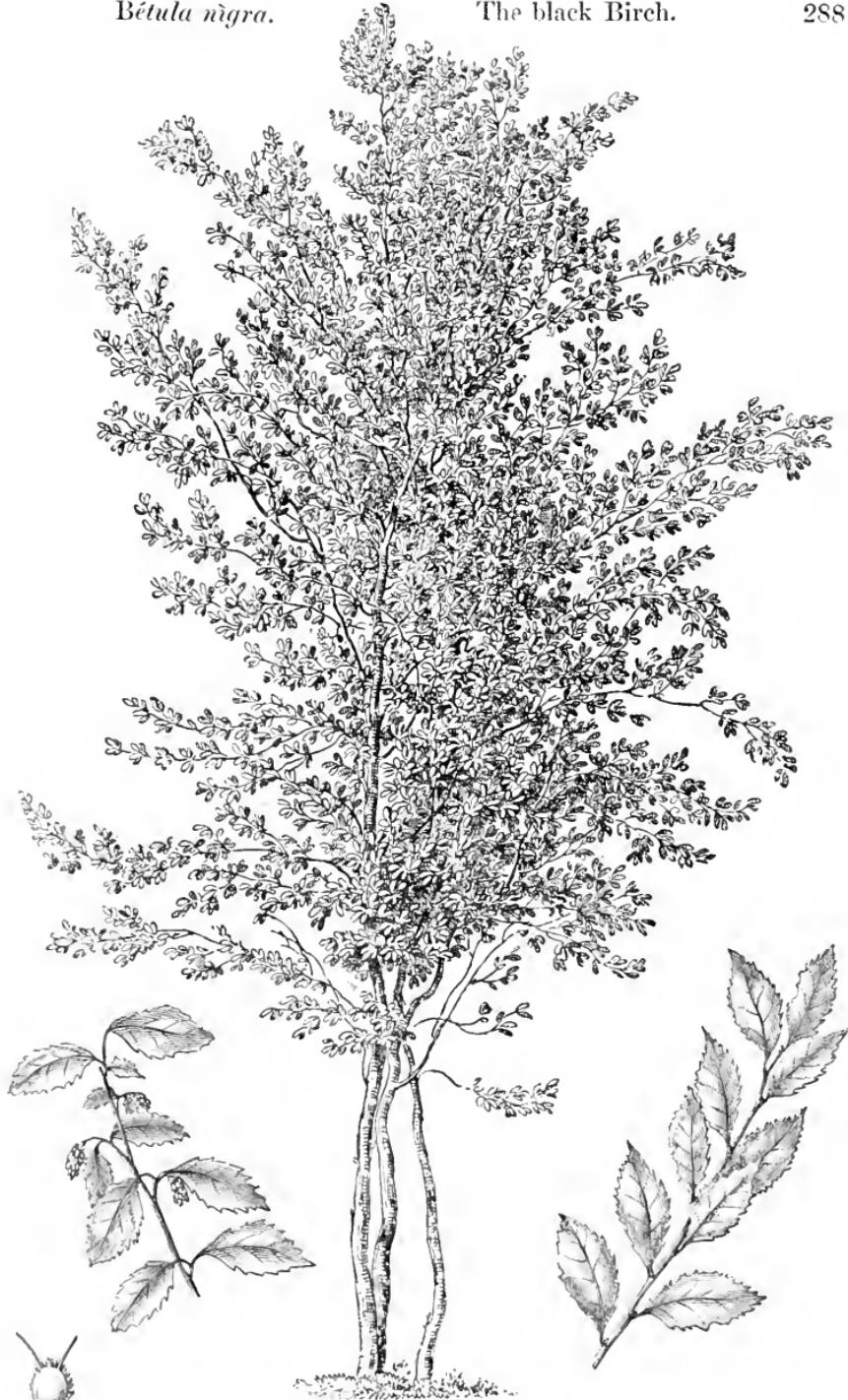
The heart-shaped-leaved Alder.



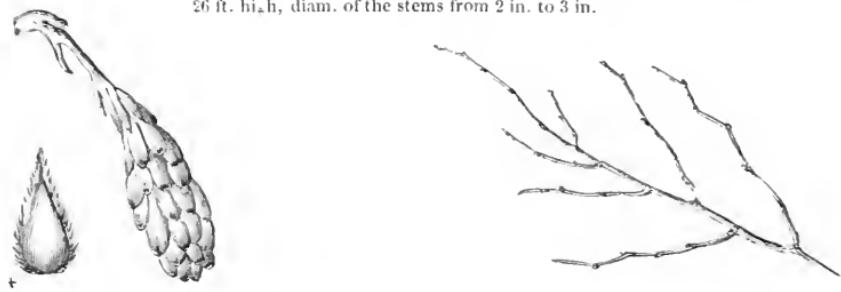




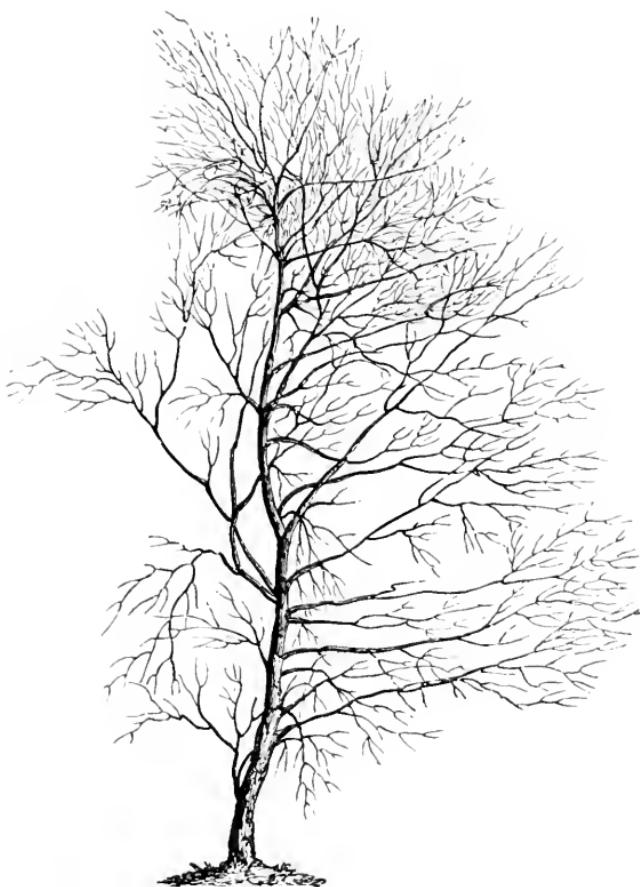




26 ft. high, diam. of the stems from 2 in. to 3 in.



The black Birch.



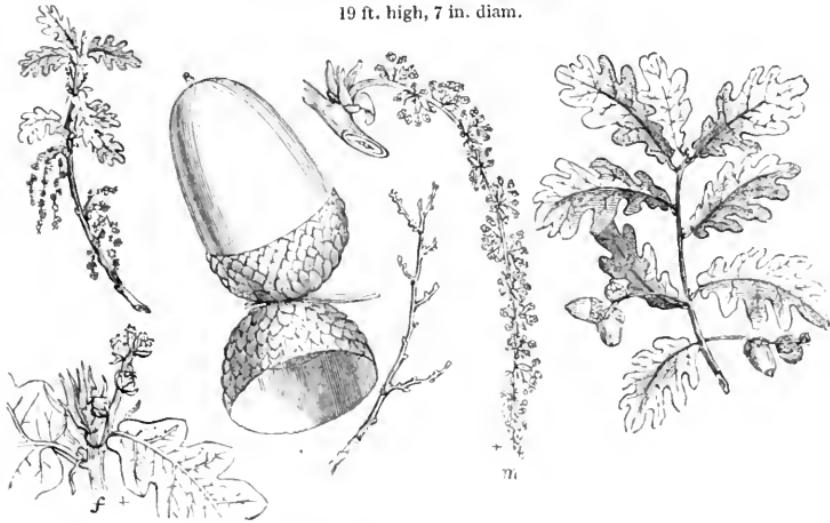
Full-grown tree at Fulham Nursery ; 50 ft. high, diam. of the trunk 2 ft., and of the head 36 ft.
[Scale 1 in. to 12 ft.]



The stalked-fruited British Oak.



19 ft. high, 7 in. diam.





Full-grown tree in Kensington Gardens; 67 ft. high, diam. of the trunk 6 ft., and of the head 17 ft.
[Scale 1 in. to 12 ft.]



Quercus pedunculata.

The pedunculate-fruited British Oak.



Full-grown tree at Studley ; 80 ft. high, diam. of the trunk 8 ft. 2 in., and of the head 91 ft.
[Scale 1 in. to 30 ft.]



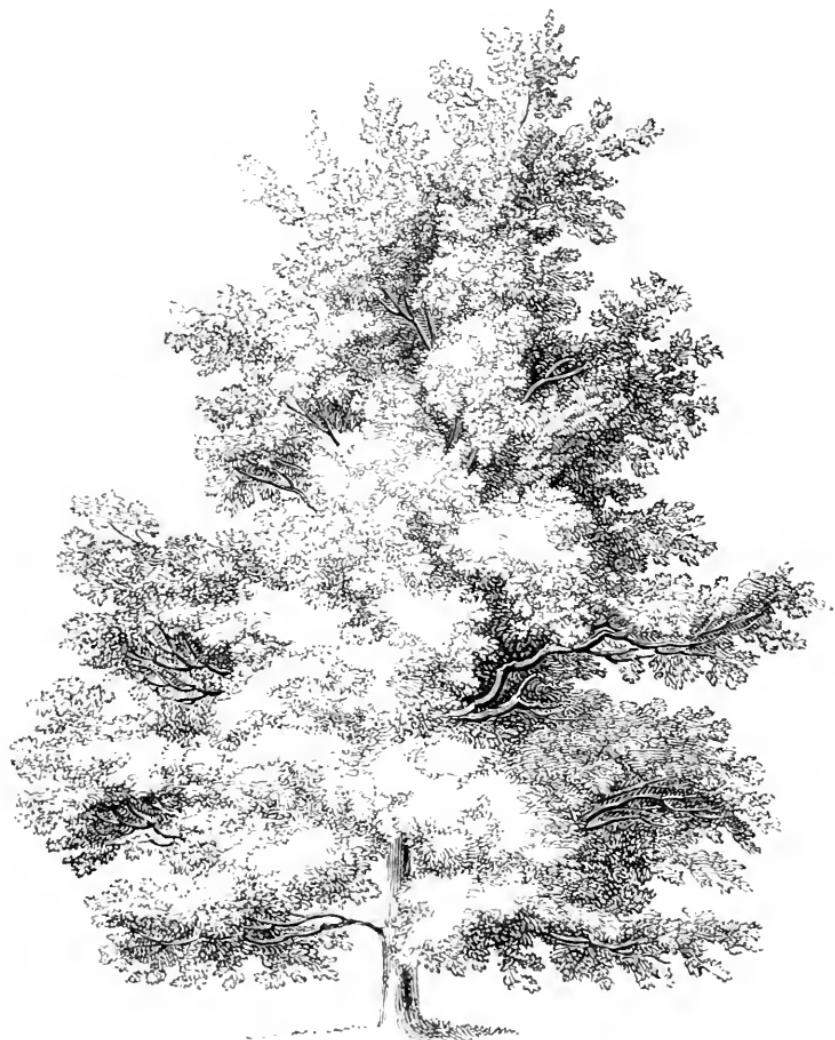
The upright-growing stalk-fruited Oak.



14 ft. high, 1 $\frac{1}{2}$ in. diam.

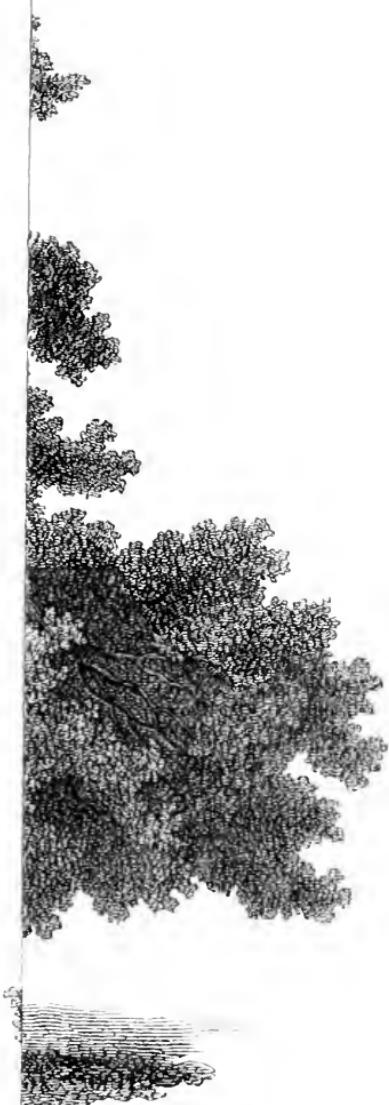


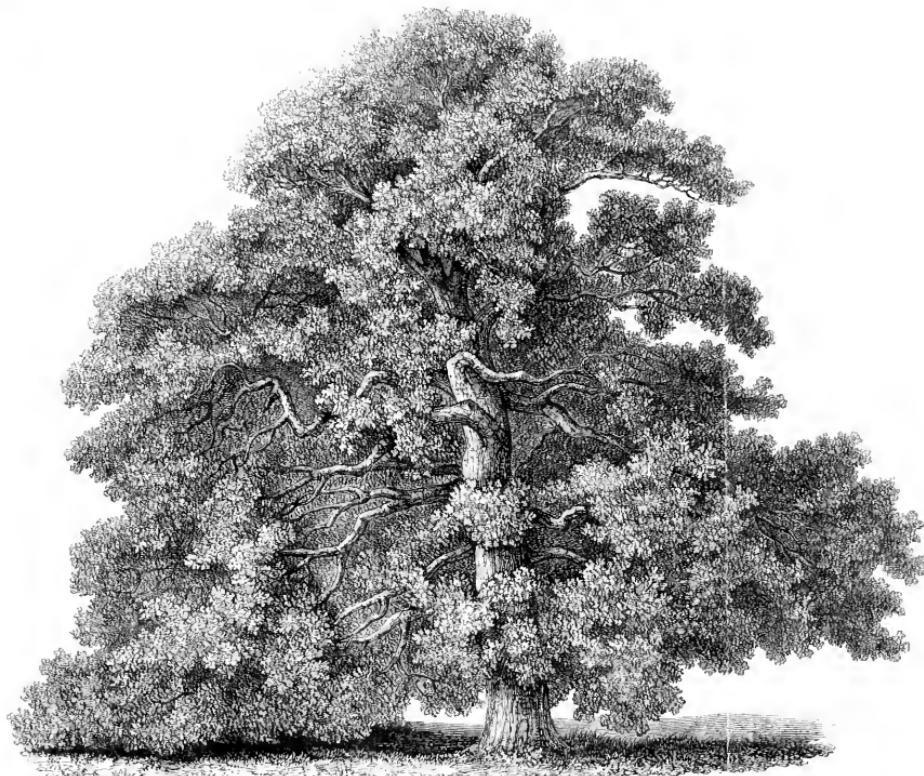
The sessile-flowered British Oak.



18½ ft. high, 7½ in. diam







Full-grown tree at Woburn; 72 ft. high, diam. of the trunk 8 ft., and of the head 90 ft.
[Scale 1 in. to 12 ft.]



The sessile-flowered British Oak.



Full-grown tree at Studley Park; 118 ft. high, diam. of the trunk 11 ft. 6 in., of head 96 ft.
[Scale 1 in. to 30 ft.]





Quercus Cerris.

The bitter, or Turkey, Oak.



26 ft. high, 9 in. diam.



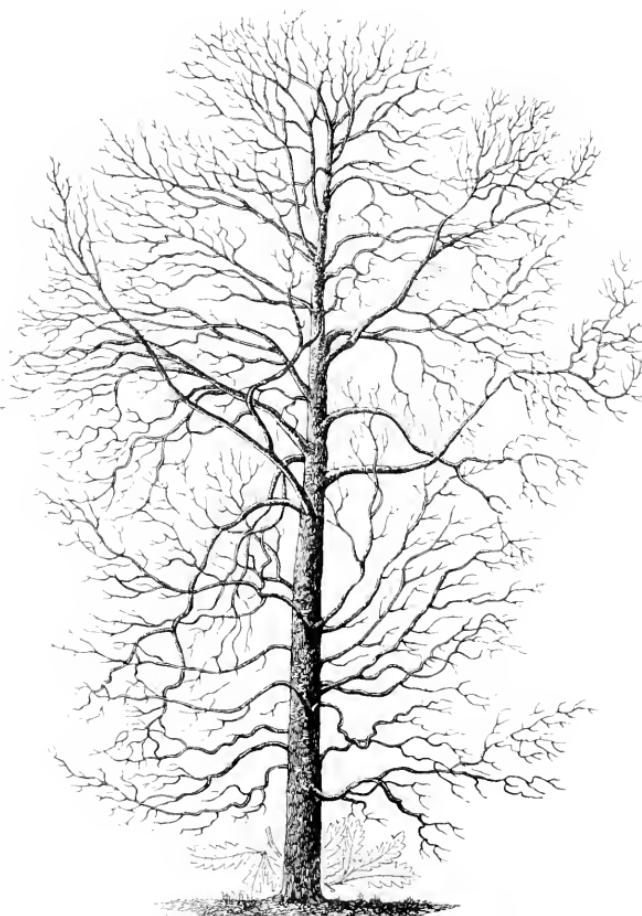
of the head 73 ft



Full-grown tree at Syon: 70 ft. high, diam. of the trunk 2 ft. 8 in., and of the head 78 ft.
[Scale 1 in. to 32 ft.]

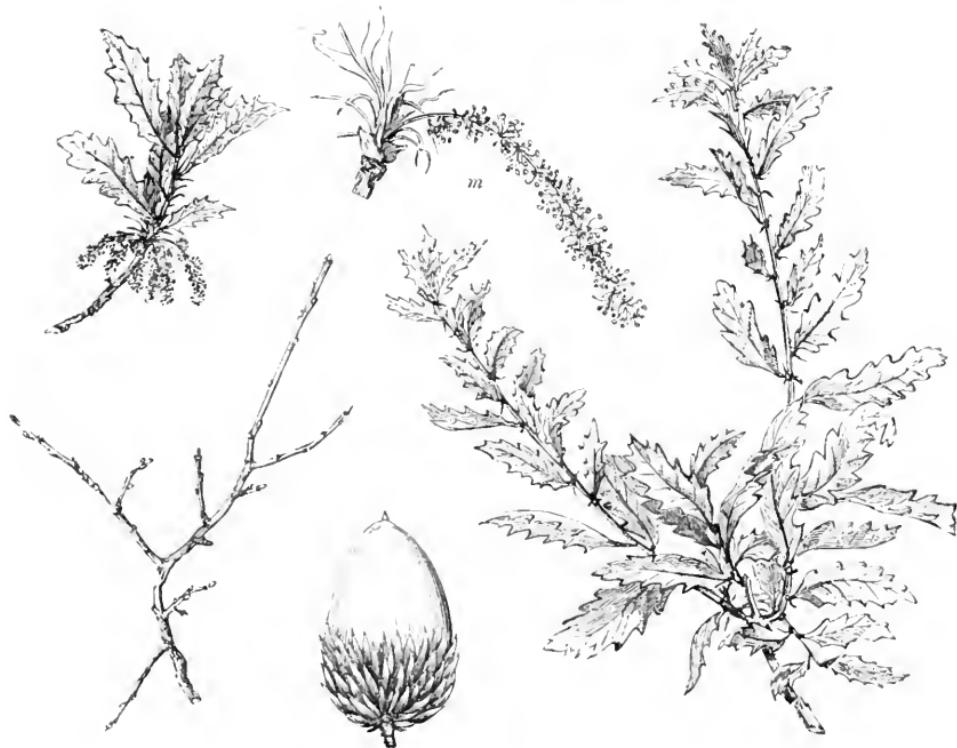


Fr



Full-grown tree at Mowell Hall, 80 ft. high, diam. of the trunk $4\frac{1}{2}$ ft., and of the head 65 ft.
[Scale 1 in. to 12 ft.]

The Austrian Cerris Oak.

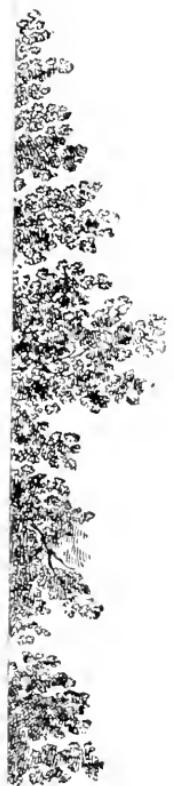


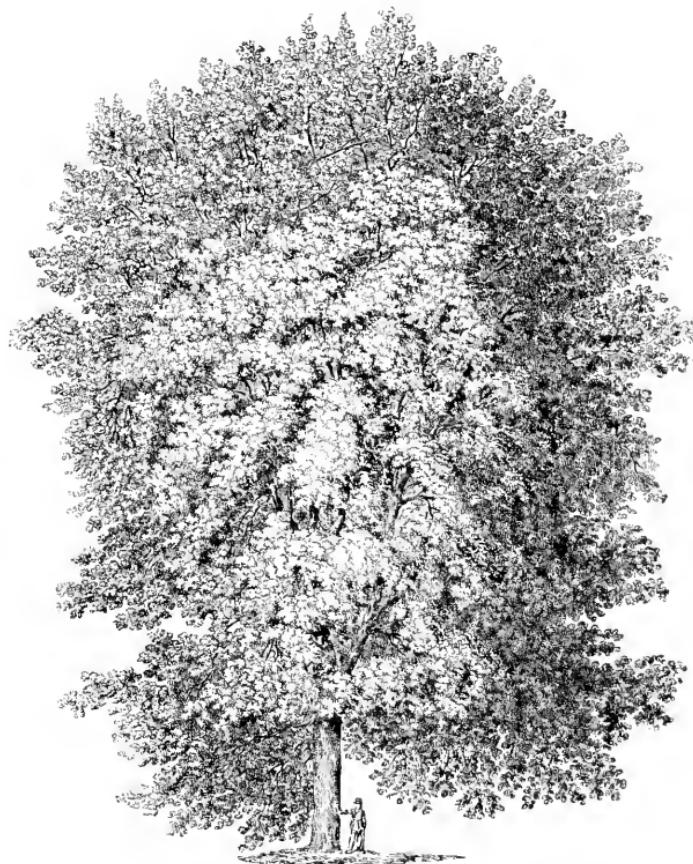
The tooth-leaved Turkey Oak, or the Fulham Oak.



16½ ft. high, 4 in. diam.







The original tree in the Fulham Nursery; 75 ft. high, diam. of the trunk 3 ft. 10 in., and of the head 54 ft.
[scale 1 in. to 12 ft.]

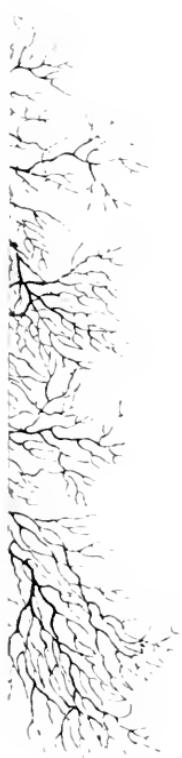


Fig.

V.

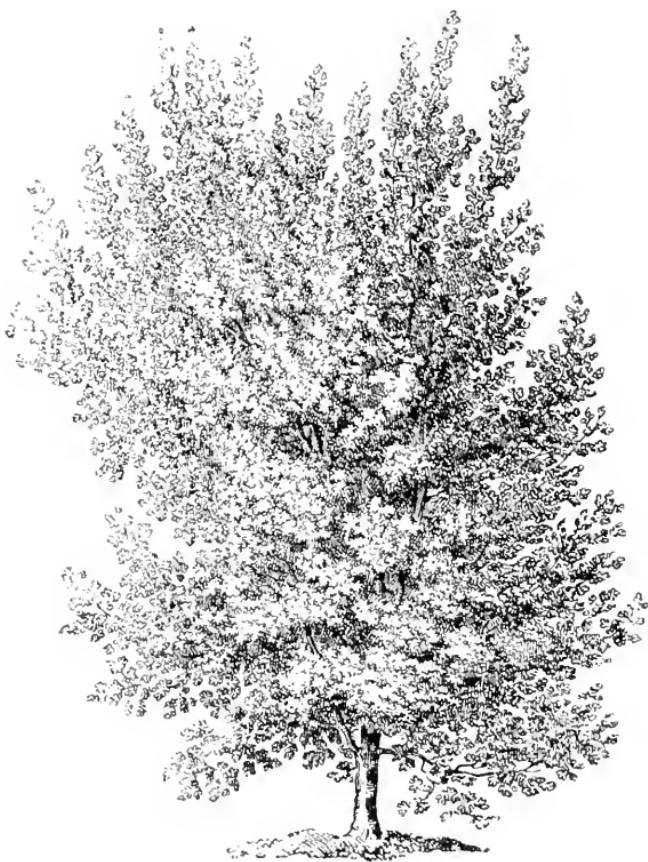
M. R.



The original tree in the Fulham Nursery; 75 ft. high, diam. of the trunk 2 ft. 10 in., and of the head 34 ft.
[Scale 1 in. to 12 ft.]

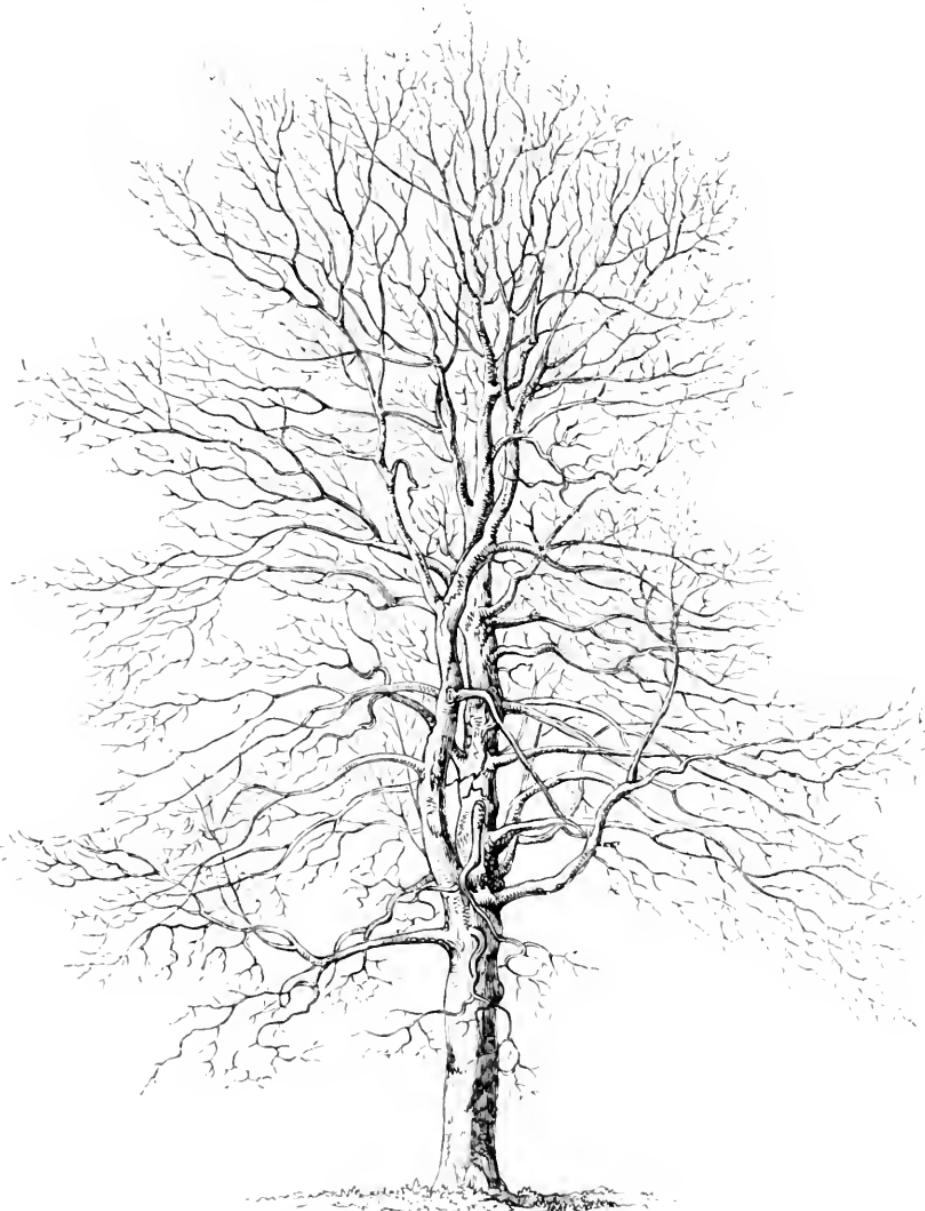
Quercus Cerris Lucombeana.

The Lucombe Turkey Oak.



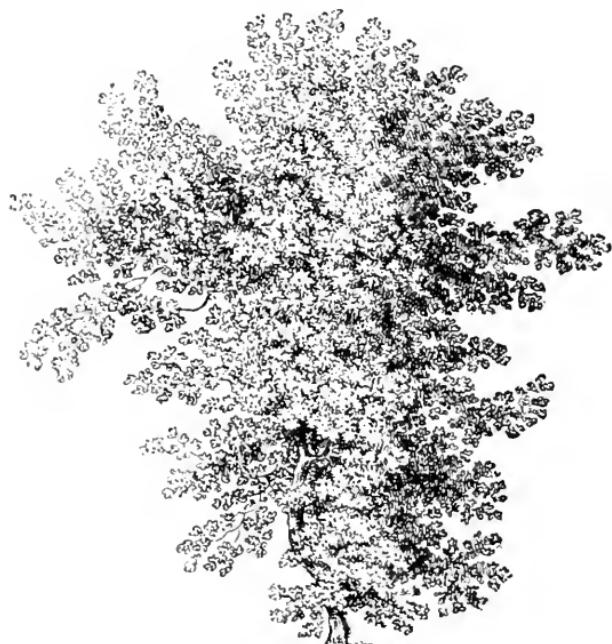
16 ft. high, 6 in. diam.



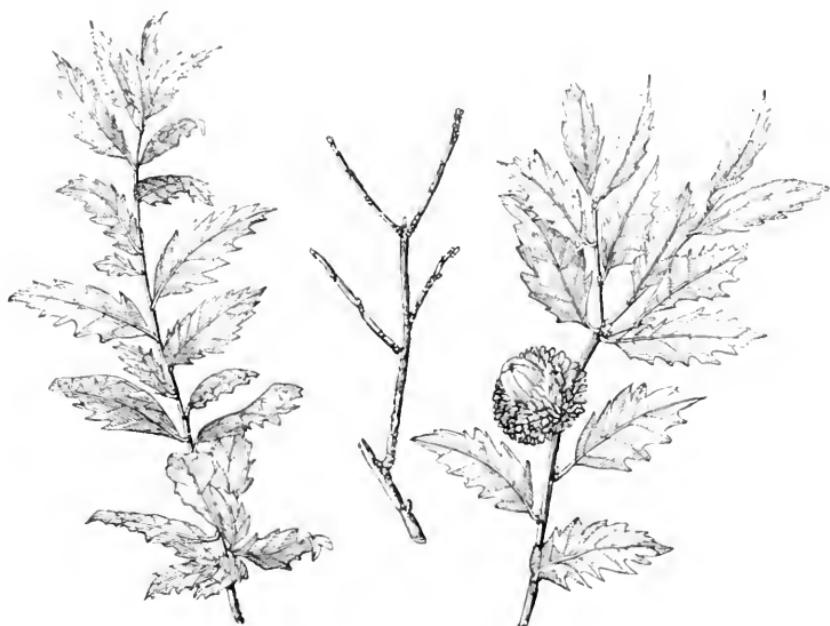


Full-grown tree in the Fulham Nursery; 63 ft. high, diam. of the trunk $4\frac{1}{2}$ ft., and of the head 53 ft.
[Scale 1 in. to 12 ft.]



*Quercus Ægilops.*The Ægilops, or *Valonia*, Oak.

12 ft. high, 3 in. diam.



Quercus Ægilops.
The Ægilops, or Valonia, Oak.

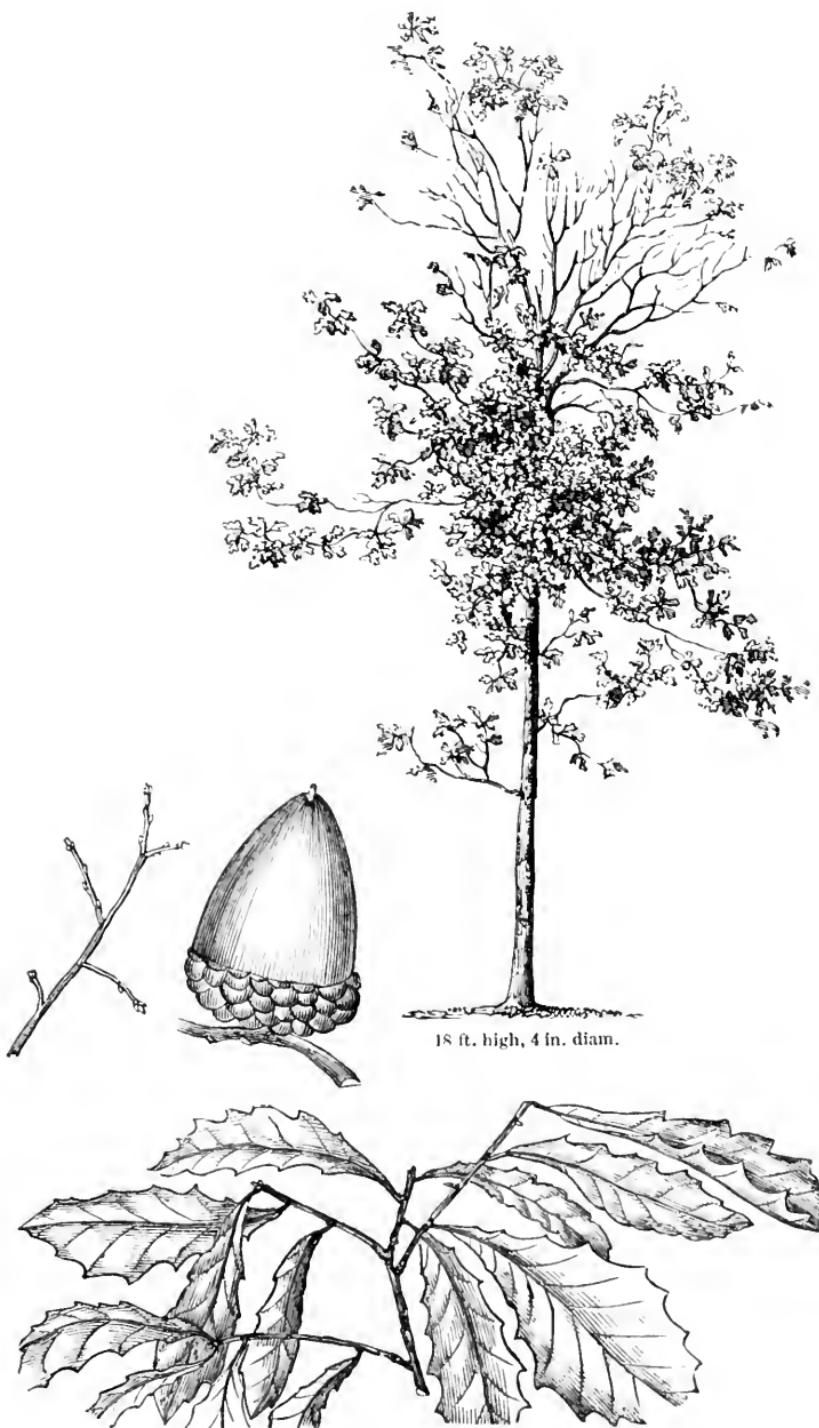


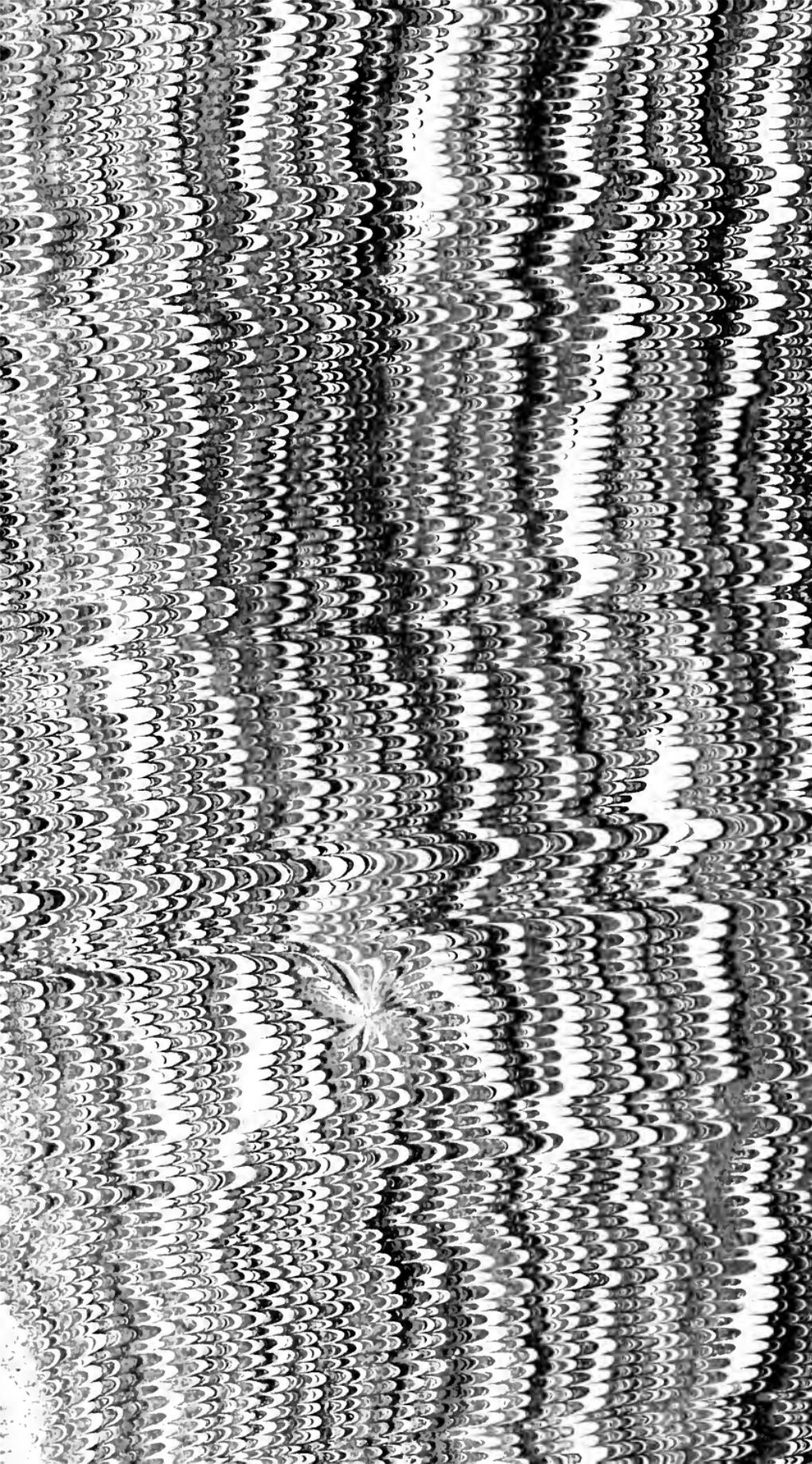
Full-grown tree at Syon ; 24 ft. high, diam. of the trunk 18 in., and of the head 30 ft.
[Scale 1 in. to 12 ft.]

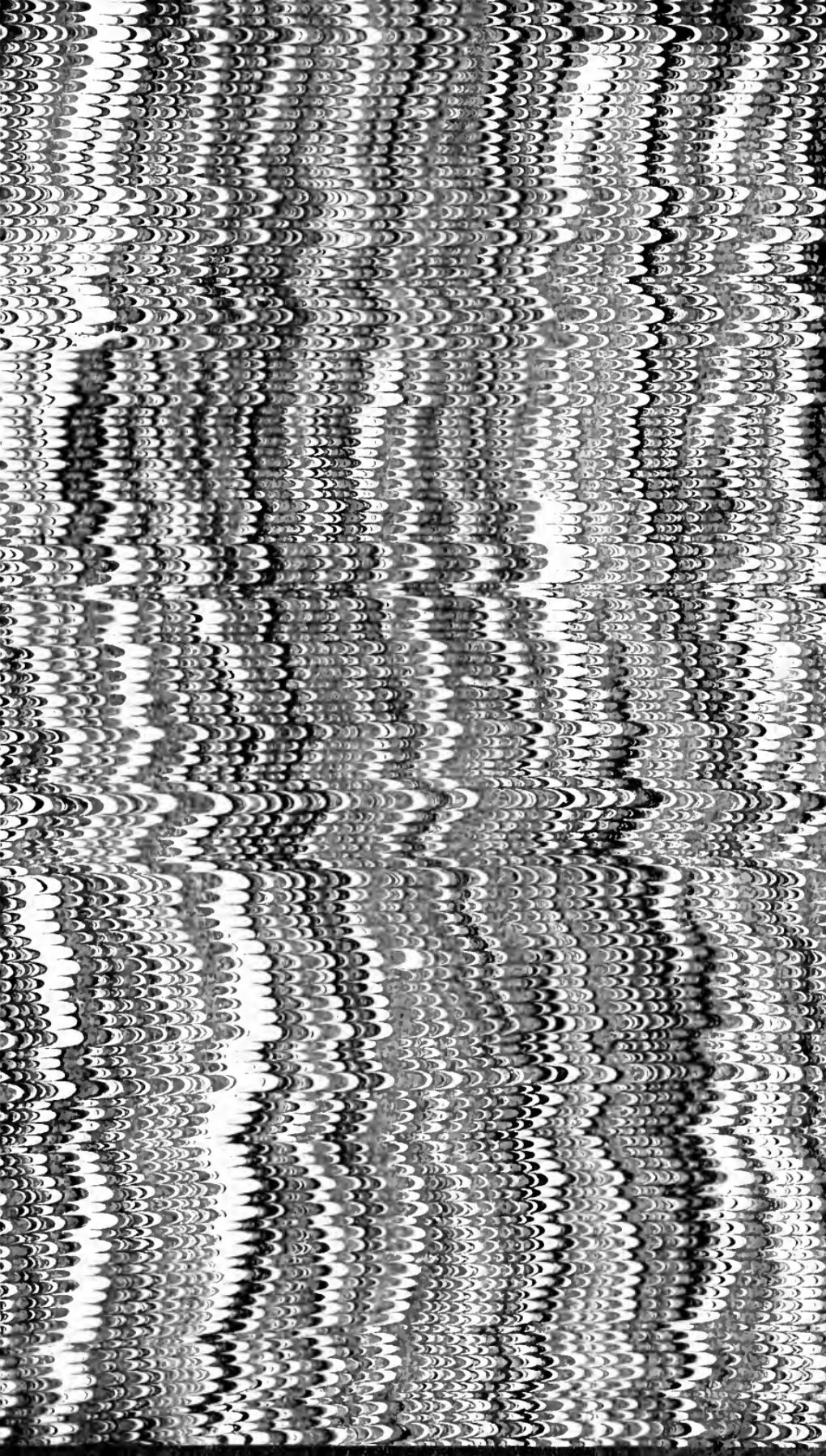


Quercus alba.

The American white Oak.







UNIVERSITY OF ILLINOIS-URBANA



3 0112 051870290